

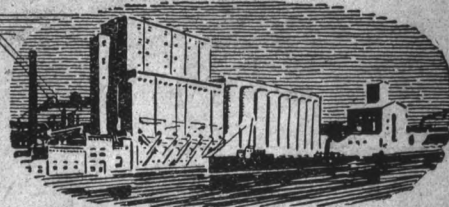
VOL. XV, No. 18

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The Michigan BUSINESS FARMER



*An Independent
Farm Magazine Owned and
Edited in Michigan*



THE BEST OF PALS

In this issue: Article on Best Varieties of Corn for Different Sections of Michigan, by H. C. Rather, of M. S. C.—Letters from Subscribers All Over State Commenting on Minute Men Organization—Story About Junior Farmers' Week at East Lansing—New Feature, "Seeing Michigan With Mathews."

Seeing Michigan With Mathews

By IRVIN J. MATHEWS

FOLKS, we want to introduce Irvin J. Mathews, the latest successful farmer-writer to join our editorial staff. He is a product of rural Michigan and a graduate of M. S. C. Traveling about the State constantly he sees and learns some mighty interesting things that he is going to pass along to you through our columns. This is the first article or travelogue and others will follow from time to time. Let us know how you like them.—Editor.

THIS trip will be up through Michigan, a region which many down staters consider as quite worthless but which, I predict with quite a little information as a foundation, will become one of the most valuable portions of the State from an agricultural standpoint.

Vast Acres of Alfalfa

I made about 800 miles, zig-zagging back and forth from one county to the other. When it comes to alfalfa acreage, these counties have considerable to talk about. Wexford county claims to have over 10,000 acres of alfalfa and there are others including Antrim and Charlevoix that have an acreage creeping up toward 10,000 as near as the county agents could estimate.

The first trip I ever made through

Wexford county was coming south. I am a native of Emmett county and some of that county, particularly north of Wicamp's lake, is poor enough, Heaven knows, but on that first trip I thought Wexford was just about the Mecca of all the winds that carried sand. And many an outstate traveller in Michigan has thought the same thing and has so advertised the State when he got back home. Naturally the railroads got their right of way where they could get it the cheapest and naturally, the cheapest land was the poorest. And that's what the traveller sees.

Aggressive County Agents

To my mind, one of the chief assets of this territory as now constituted is its corps of aggressive

county agents. L. H. Barnum of Missaukee county called my attention to the fact that Missaukee county has 1000 farmers with five cow testing associations actively operating. To be brief, a larger percentage of farmers in Missaukee county are in cow testing associations than in any other county in the State. Dairymen get into testing associations because they mean business. Speaks well for Missaukee county farmers, doesn't it?

Antrim County Grows Seed Spuds

One day I was talking to a big business executive, tooting the Michigan horn as usual. He pointed to this northwestern Michigan country on a big wall map with the question, "Is there anything up there worth while?"

"Why," I said, pointing to Antrim county, "this county alone produces about half of the certified seed potatoes grown in Michigan." He opened up his eyes bigger than Chief Petoskey alias King Spud ever thought of.

Heim Knows His Taters

P. E. Heim, county agent of Antrim county, gives me further particulars about like this: Last year there were 108 growers of seed potatoes in Antrim county who passed inspection. This included 898.75 acres which averaged 150 bushels per acre. Giving these a value of \$1.75 a bushel, and many of them sold for considerably above this figure, the seed potato crop in this

county was worth around \$235,000 last year. I will sure have something to tell the big executive the next time I see him.

Cliff Bennett Tells the World

At Alba I had a very interesting session with Cliff Bennett, banker, seed potato promoter, Northland booster. He had just returned from a trip to Harrisburg, Pennsylvania, where he invited the assembled Keystoneers to come one, come all—1000 strong if possible—to view Michigan this summer when it is in its pristine glory of potato blossoms. They will come. But what made him particularly happy was the fact that out of the 133 members of the 400 bushel potato club which he addressed in Pennsylvania, 131 of them got their seed directly or indirectly from northern Michigan.

Demonstration Farm at Howard City

The acreage of sandy soil in Michigan is variously estimated at from 9 to 11 million acres, a million either way won't make much difference. Some years ago, D. L. Hagerman outlined what he termed the Keystone Rotation for a sandy farm, on which the farmer would keep livestock, grow legumes—his whole quest was for such a definite cropping program as would maintain, yes build up the fertility of the soil, and at the same time afford the owner a livelihood and those creature comforts of life, to which the farmer is certainly entitled, if anyone is. This system was put into operation on a farm north of Howard City, Montcalm county, since known as the Keystone Demonstration Farm. It is owned by the Pennsylvania Railroad. After the demise of D. L. Hagerman, his brother B. O. Hagerman was selected to carry on the work.

The system is already bearing noticeable fruits. From a very modest beginning, there has been developed a nice, even bunch of Guernsey cows and I saw fine sweet clover coming on, which was sowed with oats and Canada field peas last year. The ground was marled, of course.

Very Good Fortune

There is quite a rim around close to the Lake that naturally contains enough lime so that alfalfa or sweet clover make good without the bother and expense of liming. This is just so much water over the wheel of the fellow who owns the land.

However, there is a large body of soil that must be limed to grow alfalfa or the clovers. On a sour soil, lime or lime materials are worth whatever they cost. Without lime, you move; with lime, you stay. I have found it easier to lime than to move.

Much Plant Food Being Used

In all this northern country, it is customary to use commercial fertilizers on potatoes. Five hundred pounds seems to be the minimum dose per acre, the average is around 700 while some of the certified seed growers were using 1000 to 1200 pounds. Three-twelve-four is the usual potato formula.

Kenneth Ousterhout, county agent of Wexford county, told me that his county used 3 carloads of commercial fertilizer in 1926, 9 carloads in 1927 and he thinks about 12 or 15 cars will be used in 1928. L. H. Barnum reported that in 1926, farmers of Missaukee county used 10 tons of mixed fertilizer and 25 tons of superphosphate while in 1927, they used 100 tons of mixed fertilizer and 85 tons of superphosphate. B. W. Mellencamp reported that 15 carloads were used in Charlevoix county last year.

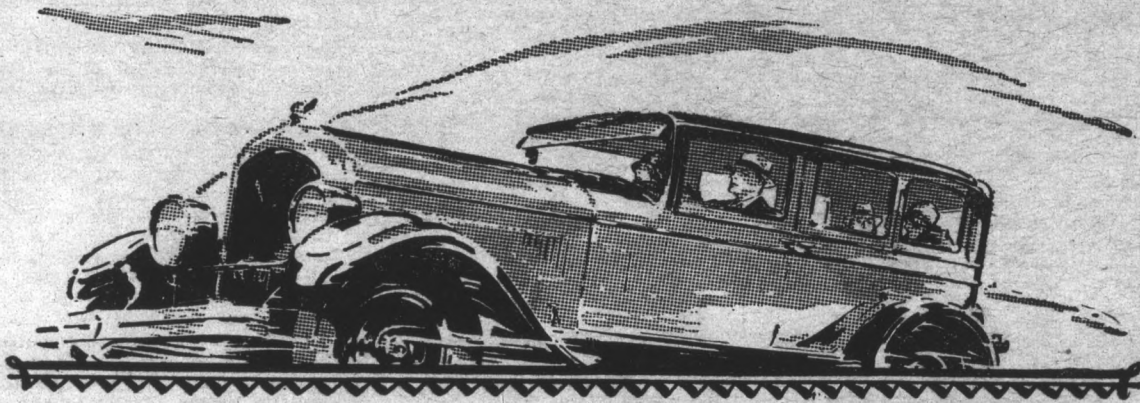
Losey Peps Up Alfalfa

H. B. Losey at Elmira is producing Hardigan alfalfa seed. Some years it seeds well, other years not so well. He had been hunting for some treatment that would make seed sure if possible.

He reported a top dressing test in which he used on one plot, 600 pounds of superphosphate; on the next plot, 600 pounds of superphosphate and 400 pounds muriate of potash, on the next, 250 pounds of superphosphate and 100 pounds of muriate of potash and on the fourth, 100 pounds of potash only. These are amounts per acre.

Said Mr. Losey: "As to seed produced it scaled right down in the order given, but as to hay and stems they graded right up. The 600 pounds of superphosphate top dressing was no better than nothing, the

(Continued on page 26)



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Published Bi-Weekly at
Mt. Clemens, Michigan

"How to the line, let the chips fall where they may"

The Michigan BUSINESS FARMER

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GEORGE M. SLOCUM
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MILON GRINNELL
Editor

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Plant Corn Best Adapted to Your Part of State

M. S. C. Specialists, County Agricultural Agents and Farmers Put on Tests in Various Sections

By H. C. RATHER

Extension Specialist in Farm Crops, Michigan State College

WHILE, as yet, no variety of corn has been produced commercially which is resistant to the attack of the European corn borer, the planting of the right seed this spring will have much to do with the successful growing of corn despite the borer.

Farmers whose corn yields are so low each season that the expense of growing the crop is barely covered from the returns it gives, may find that the added cost of corn borer cleanup turns a narrow margin of profit into a loss.



Howard Rather

The solution lies in growing more corn per acre to pay for the cleanup work which will hold the borer down to reasonable numbers. This can be—and is being—accomplished by hundreds of farmers thru careful cultural practices; the use of alfalfa and sweet clover in the rotation just prior to the corn crop; the use of commercial fertilizer in liberal quantities, and the use of good seed of productive varieties.

All of these factors are very important in corn production, but in this article I wish to emphasize the right variety and good seed of that variety.

In a 1927 variety test in Lenawee county, carried on under the supervision of the County Agricultural Agent A. B. Van Schoik of Adrian and R. H. Morrish of the Farm Crop Department of the Michigan State College, strains in actual use in that section of the state differed by as much as 43 bushels per acre.

Clement's White Cap Wins

Out of more than 35 seed sources which were tested, Clement's White Cap showed a marked superiority. Seed of this variety from three different local sources was planted in different places throughout the test and it finished first, third and fourth in yield per acre. A fairly early selection of Reid's Yellow Dent showed up well in the Lenawee County test and it was first in a similar corn variety trial conducted in Branch County, where Clement's White Cap was right next to it. In the Branch County trial, Murdock corn was high in actual weight but it was so much

later in maturity, as indicated by a markedly higher moisture content, that the variety is of doubtful value for grain production in that section.

A. R. Marston, reporting two years of experimental work at the Michigan State College Corn Borer Sub-Station at Monroe, finds Clement's White Cap leading the tests, closely followed by M. A. C. Yellow Dent, one of the corn varieties put out by the Michigan State College a few years ago. The evidence at the Monroe Station is more complete than in some of the field trials conducted elsewhere, since four different plantings, involving two plots of each variety have been made in each of the two seasons. The consistency with which Clement's White Cap and M. A. C. Yellow Dent led the other varieties mark them as very desirable strains of corn for this section of Michigan.

For Saginaw Valley

The kind of corn which does best in the Saginaw valley is not the same as for south eastern Michigan. For this section, we have variety test

records from Saginaw and Tuscola county for the years 1924 and 1925 carried on under the supervision of John Sims, then Tuscola county agricultural agent, A. B. Love, Saginaw county agricultural agent, and D. F. Rainey, crops specialists at the Michigan State College.

P. P. Ferden and Son of Chesaning cooperated in one of these trials and also entered a corn of their own selection, known as Ferden's Yellow Dent, which led the test. However, this strain was highest in moisture of any in the test and ordinarily is better suited further south than it is for the average Saginaw valley farmer. In fact, it placed up very well in the Lenawee County trial but was out-yielded by Golden Glow, Pickett, Clement's White Cap and Reid's in the Branch County test mentioned previously. M. A. C. Yellow Dent from seed grown at the College was a leader in the Saginaw county trial but was also a little late in maturing. Strains of this corn acclimated to central Michigan are now being grown by George Rae, Bay City,

Rossman Brothers, Lakeview, and Roy Wright, Butternut, and an even better performance, especially on maturity is expected in future trials in this section. Last year, George Rae won first honors in the Corn Contest for his section of the state, with a yield of 73 bushels of shelled M. A. C. Yellow Dent Corn per acre.

In the Tuscola trials, Pickett corn has been one of the most consistent performers and one of the surest to mature. In three different trials, Pickett corn has been first twice and third once. M. A. C. Yellow Dent looked next best, having a first, a second, and a third to its credit. Duncan and Clement's White Cap were too late for Tuscola County in the years these trials were conducted. Fritz Mantey of Fairgrove has twice secured yields of 75 bushels of shelled corn per acre, with the Pickett variety.

Golden Glow for North

The most northerly corn test was one R. H. Morrish conducted in Manistee county last season. Here, Michigan's earliest yellow dent variety, the Golden Glow, came to its own. Seed of this variety furnished by Mrs. Kate Reinsch of Friesland out-yielded the best local corn by over 6 bushels to the acre, and was 10 to 15 bushels to the acre better than most of the local corns in use in that section. This test indicated that locally grown seed of the Golden Glow variety was markedly superior, not only to the general run of local corn but was also to be preferred in northern Michigan over the Pickett, M. A. C. Yellow Dent, Wisconsin No. 25, Polar Dent and other pedigreed varieties.

In view of the importance of getting that extra 6 to 10 bushels per acre which good seed of the best adapted variety seems to make possible, the Michigan State College is planning to greatly increase the number of corn variety tests or demonstrations conducted out over the state.

These trials combine the features of a demonstration and an experiment and are carried on thru the cooperation of the experimental and extension divisions of the Michigan State College, the county agricultural agents and local farmers.

One Trial in Each County

About twenty have already been arranged for and it is hoped to put at least one variety demonstration in every Michigan county which has the

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CORN VARIETY RECOMMENDATIONS FOR MICHIGAN

(Based on Performance of These Varieties in Over-State Tests)



District No. 1.—Clement's White Cap Corn, M. A. C. Yellow Dent corn, Early Reid's (sometimes called Early Michigan), Ferden's, Duncan, Polar Dent.

District No. 2.—No trial conducted in this area. Duncan, Pickett, M. A. C. Yellow Dent and Clement's White Cap are giving excellent field performance.

District No. 3.—M. A. C. Yellow Dent, Polar Dent, Golden Glow, Duncan.

District No. 4.—M. A. C. Yellow Dent, Pickett, Golden Glow, Ferden's.

District No. 5.—Golden Glow (northern grown). Much of District No. 5 remains unexplored territory so far as corn variety trials are concerned. The inland area needs earlier corn than the area along the lakes. The use of northern grown Golden Glow is suggested for these inland counties with growers carrying on field selection for the earlier seed to get this variety acclimated locally.

In all cases, it is recommended that growers buying seed corn secure seed grown in their own district as near home as possible.

Over 1600 Farm Boys Attend Junior Farmers' Week at M. S. C.

By V. O. BRAUN

THE spirit of youth: that enthusiasm, that dauntlessness, and competitive eagerness was exemplified to its fullest extent when over 1,600 farm boys of this state met together at Michigan State College May 3 and 4 for their Annual Junior Farmers' Week.

This young army of farm youth, from over 150 agricultural high schools, coming from all sections of the state, met to compete for state honors in judging and to enjoy the various other educational activities which this yearly event brings to them. The college, realizing that the trained youth of today will be the community leaders and the good citizens of tomorrow, set aside these two days for their competitive contests, educational events, and entertainment. The entire program, which was arranged and carried out by the Department of Agricultural Education was complete, systematic,

and correct in every detail, and the credit for its success goes to Professors B. A. Walpole, R. S. Linton, and their able assistants.

To the farmers of Michigan, Junior Farmers' Week is an interesting and a vital factor toward a more scientific agriculture. It is second only to the regular Farmers' Week held at the college during the winter months. Both events have the same aims and ideas in view, only Junior Farmers' Week deals with Smith-Hughes High School agricultural boys and girls only, while the regular Farmers' Week welcomes both the young and the older farm folks.

Match Skill in Judging

Perhaps the most important and interesting educational features of Junior Farmers' Week are the judging contests. Here the judging teams or farm youth from one school

match their science and skill against those of the other 100 or more schools of the state for high honors. Thursday forenoon the grain judging and dairy judging took place. The manner in which these farm boys studied the various farm grains for uniformity, disease (foreign material, weight, and other defects; and the scientific method in which they selected the best dairy cattle, studying dairy temperament, type, constitution, capacity and mammary development would be a credit to many of the successful older farmers of today. The judging contests were continued on Friday forenoon. The stock judging consisted of placing one ring of horses, a ring of beef cattle, a ring of swine, and one of sheep. The poultry judging consisted of placing four rings of poultry, each ring a different breed. The po-

tato judging contest also took place Friday forenoon and in all of these contests it could be readily seen that these boys knew what they were doing. They used their practical experience together with their scientific knowledge gained in the class room and laboratory. Their agricultural instructors had taught them the fine points, the desirable characteristics and the undesirable factors of different factors of different classes of animals and different kinds of grains, and they made use of this practical instruction and training in the friendly competitive contest, in order to win honors for their school and community. Such a group of farm boys have the advantage over the farm youth who does not have access to the training of a course in agriculture in the high schools which have not adopted this important phase of agricultural education.

(Continued on Page 29)



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Hundreds Join Minute Men Organization

By R. J. McCOLGAN

FROM every section of the State we have had applications for membership in the Minute Men organization. Our first announcement was scarcely off the press before over fifteen hundred men had lined up and agree to organize their own township. In each township we plan to have an efficient and effective group of farmers who will be prepared to make life miserable for the rural thieves. Around the township group will be built a strong county and State organization with the ultimate goal of a fighting force that will stop stealing in our rural districts.

Along with hundreds of these applications have come many letters of cheer and encouragement for the Minute Men idea. To read these letters one cannot help but be inspired on to a greater work in the interests of the farmers of our State. Space does not permit us to print more than a few of the letters, but from these few one may gather the way the farmers of Michigan feel about rural thieves and their belief in what the Minute Men idea will do to drive these thieves from our borders.

Subscriber for Life

"Just thought I would write and tell you that I appreciate the work you are doing on behalf of the farmers in rounding up the chicken thieves and other pests. I was just ready to drop several papers I was taking when the Wilson case came up. The way you backed up Wilson for shooting that chicken thief made a subscriber out of me for the rest of my natural days. When you get a notice to discontinue my copy, you will know the boys have planted me under an apple tree somewhere. If our prosecutors didn't idolize our criminals quite so much, we wouldn't have so much crime. Keep on with the good work!"—O. R. Musgrave, Luce County.

Willing To Do His Part

"I am a long and steady subscriber to THE BUSINESS FARMER. I must say they are doing their part to try and protect the farmers and must say I am willing to do my part at any time, day or night. I am sending for ten application blanks and my neighbor Claud Bettridge, across the road is sending for some. He will canvass the east end of the township and I can canvass the west end, and furthermore if the sheriff wants to deputize me, I'll be there with the goods any time he wants me."—Albert Langley, Huron County.

Needed in Every Township

"I would like to become a member of the Minute Men. What we need is a lot of Minute Men in every township in Michigan, then maybe there would be more obeying of the laws of our State, and being true to our flag. I like to read THE BUSINESS FARMER, as it always prints and tells us the truth. I never want to be without it in my home. Please send me my card and emblem, as I am a farmer and like to see the farmers get their rights."—Clarence Hazleton, Montcalm County.

Victim of Thieves

"Am sending in my application to join M. B. F. Minute Men, for our township, together with the ten cents registration fee. We have had some serious losses from chicken thieves in the last few years, and I think it is about time a stop was put to it all. I am only asking for five blanks at present, but will send for more later if needed."—Robert Newman, Otsego County.

Will Be Great Help

"I am in favor of your great organization and I believe it will be a good help in getting rid of the thieves and I believe Michigan will be ahead of all of the States in the Union and THE BUSINESS FARMER will be the only publication that ever helped the farmers to protect their

property. Please send me some of the organization application blanks. I will be willing to help at any time I am called to go for I have no use for the chicken thieves."—William Becker, Gladwin County.

Boost All He Can

"I am mailing the coupon clipped from the M. B. F. for application blanks. Please send full details as to how I should start the Minute Men here in Solon township. I am just a new subscriber to the M. B. F. and am well pleased with the paper, and I am willing to boost it all I can and the Minute Men also."—Guy L. Fairbrother, Kent County.

Good Thing

"I am deeply interested in the Minute Men organization. I think it is a good thing for our own protection and that of our neighbor. Will you please send me particulars of the Minute Men, and about twenty-five blanks for members to sign."—A. M. Rosminsen, Eaton County.

Wanted It for Years

"I am enclosing a blank for the Minute Men organization. For years I've believed something like this should be done."—Raymond Knapp, St. Clair County.

From Montcalm County

"I am sending to you my application for a membership in the Minute Men organization, and an application to become the organization representative for Douglass township, Montcalm County, Michigan—the county that undertook to punish Mr. Wilson for protecting his property and would have given him a bad deal, had it not been for THE BUSINESS FARMER, and the subscribers to THE BUSINESS FARMER. As a farmer and business man, I would say that this Minute Men organization can be extended a long distance in doing away with other lies of so-called business that go to extremes in helping to rob the farming community at the present time. And these robbers are very nifty about it. Chicken thieves are not the only thieves that farmers have to contend with, and the only way that seems open to stop them at the present is controlled organization and clubs in the Minute Men's hands."—Lew Sterling, Montcalm County.

Will Try to Organize

I am a member of THE BUSINESS FARMER and take the paper. If you will send me some of your application blanks, I will try and get some Minute Men organized to protect the farmers from thieves."—J. A. Wale, Hillsdale County.

"I wish you would send blanks. As a subscriber to THE BUSINESS FARMER I desire to become a member of the Minute Men. I will also try to interest our neighbors in this plan for protection."—Ernest Edmonds, Gratiot County.

"You can enroll me as one of the Minute Men, and I think the idea of having deputy sheriffs is good. Will be one if the sheriff will do so. Please send me card and pledge."—L. C. Yoesting, Gladwin County.

"Please send me some of your application blanks and I will see what I can do to organize our neighborhood. I wish to be one of the Minute Men."—W. A. Willis, Isabella County.

We want to thank everyone who has written us and we are sorry we couldn't print all of the letters but it would take nearly all the space in this paper to do so and that's impossible. We also want to thank the hundreds of farmers who are now organizing their townships which without the help of these splendid men, The Minute Men would be impossible. Remember this is a volunteer organization—and your co-operation is required to make it a success. What are you doing in your township to organize the Minute Men?



NICE LOOKING BUNCH OF CATTLE

"How is this for pure bred stock?" asks Victor Graham, of Isabella county.

THRU OUR HOME FOLKS' KODAKS



JOE AND COLLIE JUST HAVING A GOOD TIME TOGETHER.—Miss Velma Burge, of Osceola county, sends us this picture and advises that it is of her brother Joe and his dog.



CAME FROM GERMANY FIFTY-THREE YEARS AGO.—“This is Mr. and Mrs. Martin Artman, of Huron county,” writes John Artman, of the same county. “He is 83 years old and she is 78.”



“VACATION TIME.”—Ray Moore, of Genesee county, is spending his vacation at the home of H. M. Myers, of Wexford county, according to Stewart Low, of Wexford county, who sent the picture.



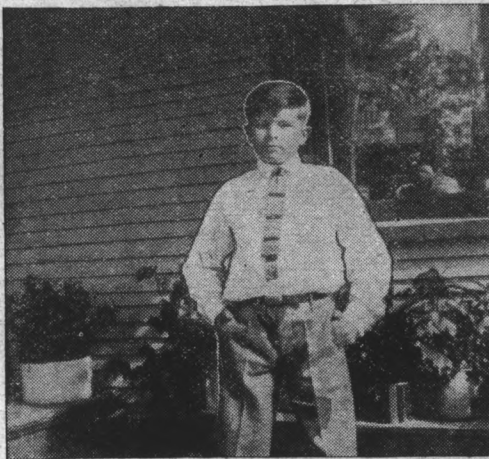
TAKING CARE OF THE SHEEP.—“My little niece, Doris Vanhorn, who lives with us,” writes Mrs. Norman Near, Gladwin county reader.



“MY FATHER-IN-LAW AND HIS GRANDSON.”—From N. Nelson, Mason county.



ELEVEN GREAT-GRANDCHILDREN.—Mrs. Hugh Lewis, Isabella county, with her eleven great-grandchildren. Sent in by Iola Watson, Isabella county.



“ALL DRESSED UP AND NO PLACE TO GO.”—That is Velsor Smith, of Lake county, says Wilford Smith.



HE RIDES TO AND FROM SCHOOL.—Donald, son of John Adelson, of Osceola county, rides his horse, “Queen,” to and from school every day.



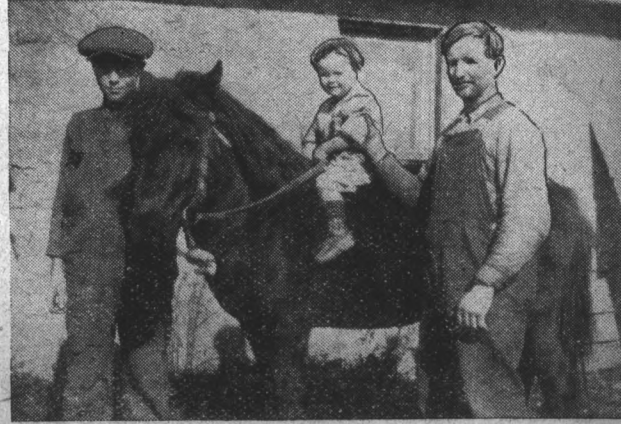
“GRANDPA AND HIS LITTLE PAL.”—Fred Schroeder, of Macomb county, and his grandson, Norman Rotha.



“OUR COLTS!”—This fine team of colts belong to our subscriber, R. R. Harrington, of Tuscola county.



“OUR PRIDE.”—Son of Mr. and Mrs. Howey, of Oakland county.



“WHOA, THERE!”—Everybody is interested in Estella Simpkins, of Tuscola county, and her nice pony.

Farmers Service Bureau

(A Clearing Department for farmers' every day troubles. Prompt careful attention given to all complaints or requests for information addressed to this department. We are here to serve you. All inquiries must be accompanied by full name and address. Name not used if so requested.)

MORTGAGE

How long is a chattel mortgage good if I pay the interest and some on the principal when it comes due?—Reader, Cass City, Mich.

WHEN the mortgage become due, you would have to pay it in full if the mortgagee demands it. However, so long as you pay the interest and part of the principal each year, he probably would be good enough to not foreclose against you.—Legal Editor.

PLANTING OATS

Some time ago I read of a method for sowing oats in a leading farm paper. The article which told of method said to disc the ground first and then sow the seed. The seed was then covered by a shallow plowing and worked down the usual way. After this soil was made into a good seed bed, alfalfa was then sown. The alfalfa came up and made a good start and then the oats came through. It was claimed that the oats had a stiffer straw, withstood the dry weather better and produced a wonderful crop. would you consider this

a safe and sane method of doing? Do you think that the oats would be sown too deep? Further which do you prefer fall or spring plowed ground for oats? Is there much fertility lost by having the ground lay idle so long? Would it be a good policy to sow rye in a cornfield and then plow under for oats the next spring? What fertilizer would you advise for oats? I will appreciate anything that you may offer.—A. W., Stockbridge, Mich.

IN case the oats were covered to a depth of from 1½ to 2 inches, it is quite likely that the above outlined method would prove successful.

On the other hand, I would much prefer to prepare the seed bed and seed oats and disc them in, but even yet I believe it would be better to seed both the oats and alfalfa with the grain drill with seeder attachment. Considerable care would have to be exercised in not plowing too deep or the oats would be covered at too great a depth.

Fall plowing sometimes enables one to sow the oats earlier, in which case it would be an advantage. On rolling land where washing and leaching take place, it is a decided

disadvantage to do the plowing in the fall.

The practice of sowing rye as a cover crop is a very good one since it tends to hold the soil and make use of whatever plant food becomes available.

The use of two hundred pounds of 16 or 20% acid phosphate fertilizer is very good.—C. R. Magee, Assistant Professor of Farm Crops, M. S. C.

GET SET OVER IN NEW DISTRICT

I have purchased an 80 acre farm. The taxes came due in the first part of January, and upon paying said taxes I found that I was taxed on the high school in the city of Hesperia. I found that I do not belong to this district, but it seems that the first owner, (the one who homesteaded this farm) has signed up in favor of the high school. I do not have any children of school age, all having completed high school before coming here, and it seems that I am not getting any benefit from these taxes. I am just a new resident of the State of Michigan having come here from North Dakota last fall. Do you think it possible that I could get out of these taxes, which amount to \$54.73 per year, on those grounds?—J. L.,

IF the 80 acre farm is located in the Hesperia school district, even in part, the farm or a portion of it can and will be assessed to support the Hesperia school system. The only procedure is to determine the district boundary lines from the

township clerk. He should have a record and a map showing the boundaries.

I do not understand the statement that the first owner signed up in favor of the high school unless it means that he requested the property to be placed in the high school district.

Briefly, the taxes must be paid this year as assessed and then a petition may be filed with the township clerk asking that the township board place the property in another district. This can be done by the township board providing it first secures the written consent of a majority of the members of the board of education of the graded school district.—C. L. Goodrich.

CHECK IS RAISED

If A writes a check on bank and said check is lost in mail and later found by some one who raises the amount and it passes through several hands can anyone collect on other property for a greater amount than A wrote in said check? If check is lost and a duplicate issued and cashed can original check ever be cashed when bank is notified about it?

If A uses B's tools and verbally agrees to pay for them can B sue A for use and for damage for broken tools?—Subscriber, Moline, Mich.

AWOULD not be liable for a greater amount than the check was originally issued for in this case. If the maker of the check notifies the bank to stop payment on it, and the check is later found and presented to the bank and is paid by them notwithstanding the notice to stop payment, the bank, and not the maker of the check would be the loser.

B could sue A and collect for the use of the tools and for damages for the breakage.—Legal Editor.

OFFICE OF SUPERVISOR

In order to qualify and hold office of supervisor of a township does a person have to be a citizen of the United States and does he also have to be a tax payer and his name appear on the tax roll and what are all of the qualifications required to hold office of supervisor of township?—B. C., Bellaire, Mich.

IN order to hold the office of supervisor, you would have to be a United States citizen, but would not have to be a tax payer.—Legal Editor.

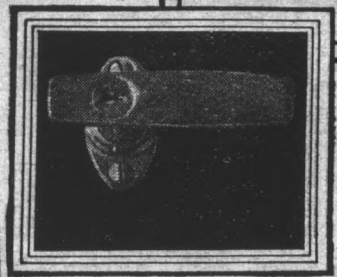
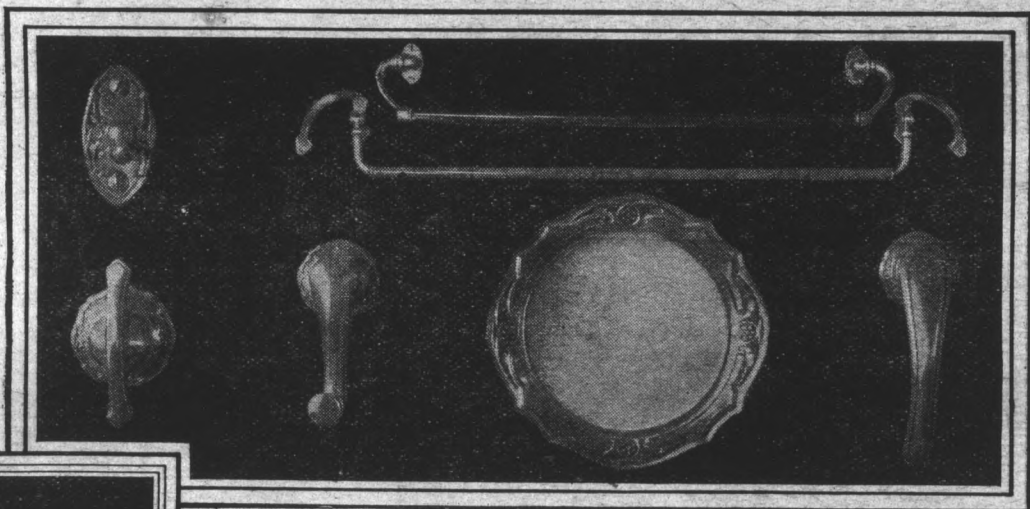
Bulletin Service

(The bulletins listed under this heading are free. Some are issued by the U. S. Department of Agriculture, others by agricultural colleges, and many by our advertisers. We carefully consider the bulletins that come to us from different sources and list those which, in our opinion, are of greatest value to our readers. If you want a copy of one or more just list them on a postal card or in a letter and mail to us with your name and address. They will be sent to you without charges of any kind.)

- No. 1.—POULTRY RATIONS.
- No. 2.—MODERN WATER SUPPLY.
- No. 3.—SOIL FERTILIZERS.
- No. 4.—SEED CORN CURING.
- No. 5.—GOSPEL OF GOOD FEEDING.
- No. 6.—BEFORE YOU INVEST.
- No. 7.—FARM SANITATION.
- No. 8.—FIRST MORTGAGE BONDS.
- No. 9.—FROM EGG TO MARKET.
- No. 11.—MINERALS AND FEEDING.
- No. 12.—LINSEED OIL MEAL.
- No. 13.—FIGHT THE CORN BORER.
- No. 14.—UNDER-GRADE APPLES.
- No. 16.—TIRE CARE.
- No. 17.—FARMERS' TAX GUIDE.
- No. 18.—BARN AND HOW TO BUILD.
- No. 19.—CONCRETE BUILDINGS.
- No. 20.—MOTHS AND BEETLES.
- No. 21.—FEEDING FOR EGGS.
- No. 22.—CHICK CARE AND FEEDING.
- No. 23.—BETTER GRAINS AND HAY.
- No. 24.—100 FOODS FROM 4 RECIPES.
- No. 25.—FARM LEASE SYSTEMS.
- No. 26.—ORCHARD MANAGEMENT.
- No. 27.—RASPBERRY PLANTATION.
- No. 28.—POULTRY FEEDING SECRETS.
- No. 29.—FLIES IN DWELLINGS.
- No. 30.—MORE MONEY FROM COWS.
- No. 33.—CULLING FARM FLOCK.
- No. 34.—POTATO GROWING.
- No. 35.—PROFITABLE ORCHARDS.
- No. 36.—TRACTOR LUBRICATION.
- No. 37.—MODERN POULTRY HOUSES.
- No. 38.—POULTRY, SWINE DISEASES.
- No. 39.—AUTOMOBILE LUBRICATION.
- No. 40.—YOUR TRACTOR.

Bulletin No. 41.—A FEW BOARDS. The title to this bulletin fails to give you much of an idea of what is between the covers. What it is really about is "Wonder Working Little Fixing-up Jobs Around the House," as is explained on page two and it contains many helpful suggestions that makes work easier around the home.

Fisher hardware by Artist Craftsmen



Door locks are another example of Fisher leadership and quality. Fisher door locks are built of the finest material obtainable and have attained that state of perfection where trouble with a lock has become almost unheard of. The safety lock used is a Fisher development which works on the same principle as the door lock of a house; in other words, tripping of the inside lever on the door securely locks the car so that it cannot be entered in any way without the use of a key.

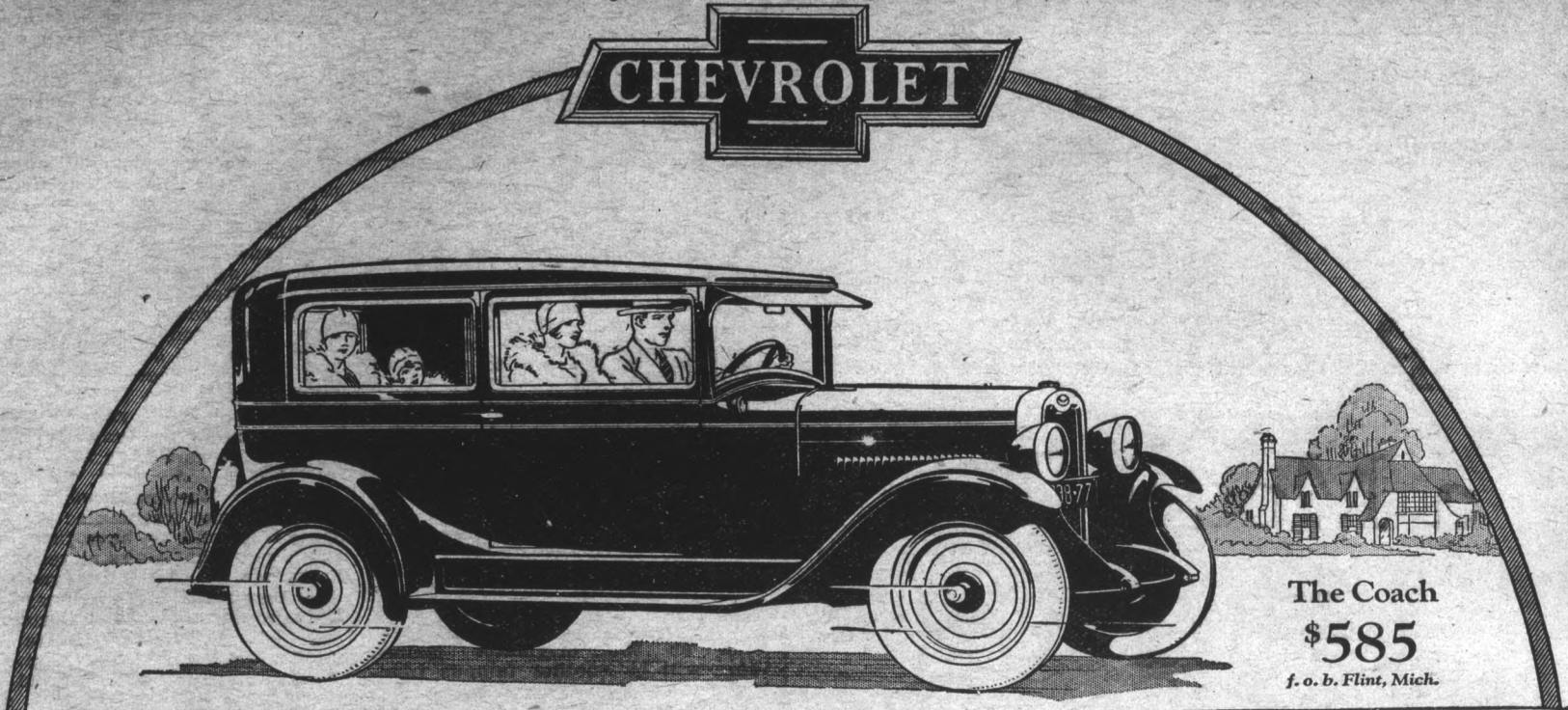
Fisher initiated period hardware for use in motor car bodies. It went farther than that, and gathered into one organization a complete staff of engineers, designers, artists and modelers, prepared to carry out in every detail the modern demand for artistic harmony of design in all body hardware, internal fittings and similar appointments. This great organization of artist craftsmen is known as the Ternstedt Manufacturing Company, a unit of Fisher and the largest manufacturer of body hardware in the world. In this great hardware plant, Fisher obtains individualized fittings and appointments, radiator ornaments, door handles, trim hardware, robe rails, foot rests—all synchronized with the design motif of each individual car creation.



Body by FISHER

for Economical Transportation

CHEVROLET



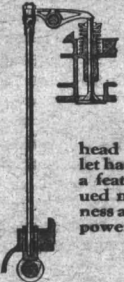
The Coach

\$585

f. o. b. Flint, Mich.

**Fisher Bodies**

Chevrolet is the lowest priced car in the world offering bodies by Fisher—famous the world over for style leadership, comfort, modern design and the safety of combined hardwood and steel construction.

**Adjustable Valve Tappets**

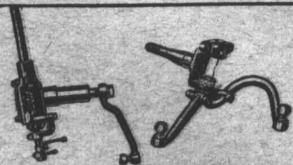
The improved valve-in-head motor of the new Chevrolet has adjustable valve tappets—a feature which assures continued motor efficiency and quietness and prevents gradual loss of power and acceleration as the car is used.

**"Invar Strut" Pistons**

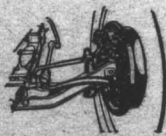
Constant clearance alloy pistons, designed with two "invar struts" in each, make the Chevrolet motor smoother, snappier and more powerful. The costly "invar struts" minimize expansion and contraction permitting close fitting pistons to assure quietness and efficient operation.

**Rugged One-Piece Rear Axle**

A rear axle proved by millions of miles of use. The differential mechanism and side gears are securely mounted, while the housing is the one-piece type fitted with an inspection plate for convenient, inexpensive adjustment.

**Ball Bearing Steering Gear**

The new Chevrolet handles with marvelous ease and surety—for the worm and gear steering mechanism is fitted with ball bearings throughout, even at the front axle knuckles.

**Non-Locking Four-Wheel Brakes**

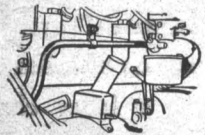
with separate Emergency Brake
Chevrolet's four-wheel brakes were developed in cooperation with General Motors engineers. They are non-locking, have an area of 189 sq. in. and are separate from the emergency brake.

**Gasoline Tank at Rear**

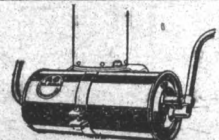
All Chevrolet models have a safety gasoline tank at the rear and a vacuum fuel system which assures positive gasoline supply even on the steepest hills. The tank is protected by a heavy steel cross member and has a gasoline gauge.

**Genuine Duco Finishes**

All Chevrolet models are finished in modish shades of genuine Duco—the original, modern motor car finish which does not check or crack and which keeps its lustrous new car beauty indefinitely.

**Crankcase Breathing System**

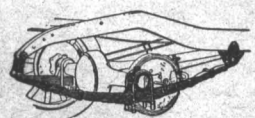
A ventilating system which clears the crankcase of vapors prior to condensation, minimizes oil dilution, and adds materially to the long life of the motor.

**AC Oil Filter**

The crankcase oil that is circulated by the self-priming pump is constantly forced through an AC oil filter which strains out dirt and foreign material, thereby increasing the life of all moving parts inside the motor.

**AC Air Cleaner**

An AC Air Cleaner is another motor safeguard which removes dust and grit from the air drawn into the carburetor—a modern feature which adds to car life and operating efficiency by reducing internal wear.

**Semi-Elliptic Shock Absorber Springs**

Comfort and safety over all roads is assured by Chevrolet's semi-elliptic shock absorber springs set parallel to the frame. These are 84% as long as the wheelbase and are made of fine chrome vanadium steel.

Embodying every modern feature of Advanced Automotive Design!

Rugged, powerful and dependable—the **Bigger and Better** Chevrolet is designed and built to deliver the strenuous, day-after-day service that a motor car must give on the farm.

Every unit of this remarkable car has been developed by engineers who are specialists—and has been proved by thousands of miles of testing at the General Motors Proving Ground.

Visit the salesroom of your Chevrolet dealer and make your own inspection of this sensational car. Note the sturdiness of its construction throughout—definite assurance of years of dependable service. Drive it—and see how effortlessly it climbs the steepest hills—how easily it steers and rides over the roughest roads. Note how generously roomy it is—how smartly styled.

Then you'll realize that here are quality in design, quality in materials and quality in construction never before available at such amazing low prices.

CHEVROLET MOTOR COMPANY, DETROIT, MICH.
Division of General Motors Corporation

The Touring or Roadster \$495
The Coach \$585
The Coupe \$595
The 4-Door Sedan \$675
The Convertible \$695
Sport Cabriolet ... \$695

Check Chevrolet Delivered Prices
They include the lowest handling and financing charges available

The Imperial Landau \$715
Utility Truck (Chassis Only) \$495
Light Delivery (Chassis Only) \$375
All prices f. o. b. Flint, Michigan



Q U A L I T Y A T L O W C O S T

It Costs Very Little to Recondition a Model T Ford

THE cost of reconditioning the Model T Ford is small because of the low cost of Ford parts and the established Ford policy of charging all labor at a standard flat rate.

The economical thing for you to do with your Model T Ford is to take it to the nearest Ford dealer and have him estimate on the cost of putting it in A1 shape. You may find that the expenditure of a few dollars will be the means of giving you thousands of miles of additional service.

For a labor charge of \$20 to \$25 you can have your motor and transmission completely overhauled. This price includes new bearings, reboring cylinders and any other work necessary. Parts are extra.

Noises in the Model T Ford can be taken out easily and cheaply. The labor cost of tightening doors is only \$1.25. Usually very few new parts are required.

There is no reason for driving a shabby Ford. Repainting runs from \$10 to \$25. Taking dents out of body panels and doors runs from \$3 to \$16 for labor. A fender can be replaced for a labor charge of \$1 to \$2.50. The cost of fenders runs from \$3.50 to \$5.

It will pay you, therefore, to see your Ford dealer and have him put your Model T in good running order. By doing so you will protect and maintain the investment you have in your car and get months and years of pleasant, reliable transportation at a very low cost per mile.



FORD MOTOR COMPANY
Detroit, Mich.



Broadscope Farm News and Views

Edited by L. W. MEEKS, Hillsdale County

(Many people write for Mr. Meeks' advice on different problems and he is always glad to give them the benefit of his wide experience without charge. Address him care of M. B. F. and you will receive a personal reply by early mail if you are a paid-up subscriber.)

An Interesting Letter

THAT quack grass is a popular subject of discussion is proved by the correspondence I get. Here is a letter a little different than those that are generally received.



L. W. Meeks

Most farmers want to know how to get rid of it while this man tells HOW to do it. The idea looks good to me and where a field must be plowed in the spring and planted to corn or beans, etc., I am sure the idea is well worth a try out. If it is as good as the originator claims, there will be another famous Lindberg in America and all the farmers will vote him a medal of distinction.

"I have just been reading in THE BUSINESS FARMER about methods of killing out quack grass. I had quite a time with quack grass until I figured out a method that solved it. I have one acre that was nothing but quack. One day I was looking over my hay rake and the idea came to me to remove the wheels on it and put on mower wheels instead. It took only a few minutes time. Then I plowed the field and went over it with a drag to level it up a little but the quack was so thick the drag could not do much good. Then I hitched on the rake, on which I had put the mower wheels, and went over the ground. Then I drew off the raked up quack grass and had three loads the first time over. Then I dragged it twice and on raking again got two loads more. I kept up this dragging and raking until I got it all off and I can surely tell anyone its the best rig for getting rid of quack. Don't use a disk on the land as it will cut up the roots and they won't rake as good. Would like to see this published in THE BUSINESS FARMER so the other farmers can try it."—Wm. Lindberg, Menominee County.

Now isn't that a very logical idea? I have tried raking up quack roots with the ordinary rake and the teeth would not go deep enough to do the work. One can readily understand how the mower wheels would let the teeth dig the roots right up. Of course the rake would have to be dumped by hand. I, for one, will try this out and sooner than I expect I will find use for two old mower wheels that I saved to "look at" when a junk dealer recently cleaned up our scrap pile.

Next is an uninteresting letter. This man wanted some information

regarding something and requested THE BUSINESS FARMER to publish it for his benefit. He did not sign his name and the ever ready waste basket soon swelled with another anonymous letter. Your name will not be used if you so state and if you sign your name and send a stamp, your letter will be answered by mail and you will get the information much sooner than through the published article. If your letter is of general interest it may be published but your name will be withheld.

Burying Stone

A year ago we planted about 200 fruit trees and we have just finished setting out that many more. We were fortunate in securing extra help so the teams were kept busy fitting oat ground, etc. The setting was finished at noon, day before yesterday and as one of the extra men could not stay longer, he and James tried burying some large stones. They had such good success they continued to work at it yesterday and will again today. They worked three-fourths of the day burying one stone. It was almost square and about six feet across it, only one corner showed above the ground and for seventy-five years this has been a genuine nuisance. Of course no one surmised the stone was half as large as it was. Why haven't we buried these stones before? Well, I'll tell you. Since buying the farm a few years ago, we have been busy drawing off loose stone and those that could be pulled with a team. From now on the large stones will be buried as fast as time will let us. It certainly is a very pleasing sight to see some great boulder roll over into a hole so deep it will never be thought of again. We have some brush we want to cut every year too, but the brush in fence rows doesn't bother potato machinery like a stone in a field! So the brush are more or less neglected. They will get their clean up soon and perhaps some future generation that live on this place can qualify as Master Farmers. Many times the men who are the real masters of the farm are never known as master farmers. Their grandsons will claim that distinction.

Hay

Today's mail-brings a letter from a farmer up state who says his clover and alfalfa meadows are completely killed out. "What shall I do?" he inquires. Some others want to know about Soy-bean hay, millet, etc. I think I am safe in saying there never was as poor showing for hay as there is today. Some of our alfalfa has died in the last two weeks. A mixed meadow we had planned on for this year is entirely dead. We will plant (Continued on Page 24)

Where Our Readers Live

Haven't you a picture of your home or farm buildings that we can print under this heading? Show the other members of The Business Farmer's large family where you live. Kodak pictures are all right if the details show up well. Do not send us the negatives, just a good print.



"Our home in Antrim county," writes Mr. and Mrs. Henry Richards. "This is the place where they raise certified seed potatoes."

What the Neighbors Say

(We are always pleased to receive letters from our subscribers and gladly publish those on subjects of general interest. If you agree or do not agree with what is written and published in this department write your views and send them in. The editor is sole judge as to whether letters are suitable for publication or not.)

IS ELECTOR WHO NEGLECTS TO VOTE A GOOD CITIZEN?

DEAR EDITOR:—The duty of the elector to cast an intelligent and helpful ballot whenever the opportunity is presented cannot be too strongly impressed, the surprising and regrettable fact being revealed that but little more than one-half of the electors cast a ballot whenever the opportunity is presented and this neglect of a plain duty bids ill for the State and nation.

If we but reflect and realize what it cost the patriots of the American Revolution to free this country from the British misrule it could not fail, it would seem, to emphasize to every elector his and her duty in using the helpful ballot which "Executes a freeman's will as lightning does the will of God."

Consider if we may the intense suffering of the Continental Army under Washington passing the terrible winter at Valley Forge with a scarcity of food and clothing and of the 11,000 men, 3,000 were placed in the hospital. History tells us that the neglect of the ballot box has in past ages caused recourse to the terrible cartridge box and may this sad fate never befall our dear country.

Most surely is it the positive duty of every qualified elector to inform himself as to the merits of those questions that are to be determined by the intelligent use of the ballot and then determine that he will not fail hereafter in doing his plain duty in this important matter.

We sometimes hear it said, "My ballot will not effect the result" and this is used as an excuse for the neglect of one's duty but it will not avail.

A close observer of conditions has asserted that a person may be a good neighbor and possess many good qualities but if he neglects his duty in the use of the ballot he cannot justly be considered a good citizen.

In a republic the will of the majority decides but this cannot be obtained unless the ballot is made use of to give expression thereto. Let us consider for a moment the condition of the poorer classes in the nations of Europe and then contrast our own conditions in this country with its freedom and its many blessings and which can be maintained only as we, "The People," perform faithfully our duty in giving effective expression to our desires through the proper use of the effective ballot.—J. T. Daniells, Clinton County.

MORE ABOUT BEANS

DEAR EDITOR:—After reading an article in your good paper of April 28th heading, "What the Neighbors Say," entitled, "Price of Beans," I wish to announce that there is a farmer up in Gratiot county that has a standing offer of a five-pound bag of candy to give if any one will really answer this article referred to by the writer of the above article, entitled "Farm Relief" which appeared in the April 14th issue of M. B. F. We still have the bag of candy and from the stack of letters I have on my desk, received from real dirt farmers from all over the state of Michigan, this article went home.

Now I don't think any more mention should be made of the good Governor as no thinking farmer will believe that he had anything to do in the matter. Neither did the State Commissioner of Agriculture. But nevertheless "the nigger" is still "in the wood pile."

Last fall, after returning from an extended trip all through Wisconsin and Michigan, made for the purpose primarily of looking over these beans, I went into a local elevator and saw these posters. Of course I took issue with Mr. Elevatorman and he, in order to buy beans and back his contentions, produced the usual circular letters from the big jobbers which were very bearish. This game was worked all fall on the farmers and with this \$5 fair price poster up the deal worked 99 per cent of the

farmers, together with the other pressure that was brought to bear.

I have read some of these circular letters lately. What a different tone to them. I may say that I was in the elevator business for two years some years back and have grown beans in Michigan for 33 years so am interested. Who is this bean committee anyway? Have they been appointed by the real bean growers of the State? How can they be when we have no bean growers organization, either in name or fact. Is it not about time the bean growers of Michigan really form a bean growers

and marketing organization, one copied after or as near as may be to the Colorado bean pool? I have all the data for the organization of such an organization and upon receipt of enough letters on this subject and that they would like to see a real bean growers organization I will have the plans and data printed in THE BUSINESS FARMER.—C. E. Ackerman,* Ex-Mgr. Mich Sugar Beet Growers Ass'n, Shiawassee County.

MR. FOSDICK IS RIGHT

DEAR EDITOR:—I was reading in M. B. F. what Mr. Fosdick said about the mail routes and I think it is very true as I have gone one mile a day for my mail for 11 years, and as I take a daily paper I must go every day. Think they should deliver to all boxes. There are three houses on this mile and I think the mailman could make it in 15 minutes. We would certainly like

to see a mailman go by in summer if he could not make it in winter.—C. Hansen, Montcalm County.

MAKING BUSINESS PAY

A motorist got stuck in a mudhole near a little Michigan town and while he was trying to get out a small boy with a team of horses appeared.

"I'll haul yer out fer three dollars, mister," said the boy.

"Alright," said the motorist, and after the job was done and the money paid he wanted to know if many got stuck there.

"Oh I have to pull out about 12 every day," was the boy's reply.

"Does it keep you busy night and day?" questioned the motorist.

"Pretty much so," answered the boy.

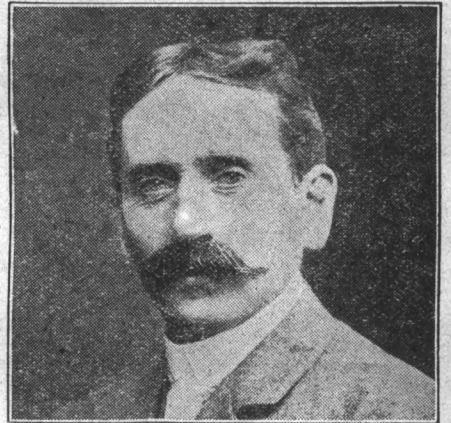
"I'm hauling 'em out durin' the day and at night I haul water to fill the hole."

SHE WON'T GROW OLD

Jones was inviting one of his fellow workers to a party at his home. "Be sure and come," he said. "It is to celebrate the 12th anniversary of my wife's 30th birthday."

I Guarantee You BIGGER CREAM CHECKS!

I guarantee that year in and year out the NEW Ball Bearing MELOTTE will put MORE cream in your cream can than any other separator made—and with far less upkeep expense!



M. JULES MELOTTE
Inventor, the World Famous Melotte Cream Separator

30 DAYS FREE TRIAL

I'll ship the NEW Melotte direct to your farm for a 30 Days Free Trial to prove all this. No obligation to buy. If not entirely satisfied return it at my expense!

OVER A YEAR TO PAY

My liberal EASY TERMS give you over a year to pay. But—the MELOTTE pays for itself with the EXTRA cream it gets. My 30 Days Free Trial will prove this to you.

MY FREE BOOK TELLS MY WHOLE STORY

I want every farmer to have my big free book. It tells my whole story. Send for it NOW!
Henry B. Babson

Mr. Melotte's Personal U.S. Representative

Mail This NOW for Free Book

The Melotte Separator, H. B. BABSON,
U. S. Manager,
2843 W. 19th St., Dept. 32-85 Chicago, Ill.
2445 Prince St., Berkeley, Calif.

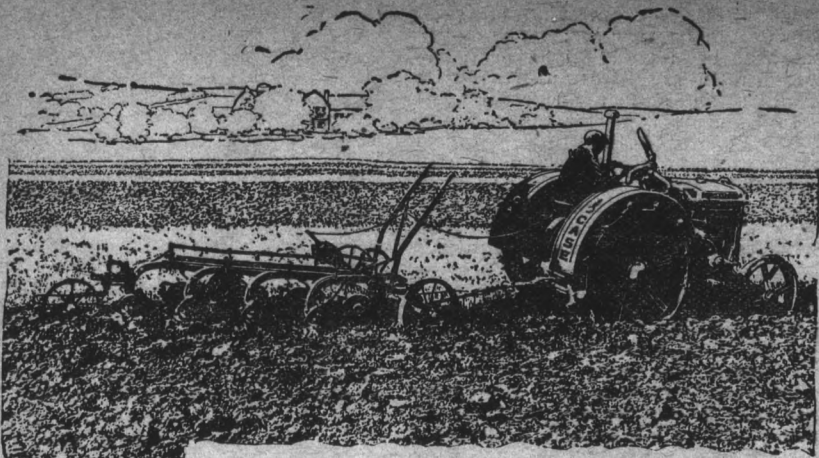
Please send me Free NEW Melotte Separator Catalog and your "Don't Pay for 4 Months" and Separator Exchange Offer.
(Print Your Name and Address Plainly)

Name _____

Post Office _____

R. F. D. _____ State _____

How many cows do you milk? _____



Cut Costs To The Bone

ACCORDING to U. S. D. A. Bulletin No. 1348 two items, power and labor, make up 60 per cent of the cost of producing farm crops. These two big items of cost, which are almost wholly within your control, can be cut to the bone with a Case Tractor.

Case tractors are built to outwork and outlast all others, and to give the lowest cost per year of service. A better engine, a highly developed fuel system and a transmission of steel cut gears on roller bearings are responsible for the remarkable economy of these tractors.

The reputation of Case tractors is backed by 86 years of success in building power farming machinery of outstanding quality and service to the user. All the benefits of this experience—power, economy, durability, a wide range of usefulness and more profit in farm work are yours when you farm with a Case tractor. Mail the coupon today.

J. I. Case Threshing Machine Co., Inc.
Racine Wisconsin

NOTICE—Our plows and harrows are NOT the Case plows and harrows made by the J. I. Case Plow Works Co.

CASE

- ☐ Modern Tractor Farming.
- ☐ Better Farming with Better Tractors.]
- ☐ Tractor Owner's Record Book.

Name _____ E-106

Address _____

BERRY BASKETS



\$6.75 per 1000 in 10,000 Lots
\$7.00 per 1000 in 1,000 Lots
\$4.00 per 500 in 500 Lots

F. O. B. Cars, Augusta, Mich.
Write us for descriptive Price List of Quality Packages
AUGUSTA BASKET COMPANY :: Augusta, Michigan

Fruit and Orchard

Edited by HERBERT NAFZIGER, Berrien County

(Mr. Nafziger will be pleased to answer your questions regarding the fruit and orchard. There is no charge for this service if your subscription is paid in advance and you will receive a personal reply by mail.)

POOR OLD BEN DAVIS

THE Ben Davis apple and the Ford car are alike in one respect. Both are the butt of many jokes and humorous stories. Here is one on the Ben Davis told by Prof. Dar-



Herbert Nafziger

row of the Connecticut Agricultural College while speaking at South Haven, Michigan recently. A certain horticultural expert boasted of his ability to identify any apple variety by the senses of touch and taste alone. To test his ability to perform this wonder he was first blindfolded. Then one apple after another was handed to him, and, sure enough, he could identify them all merely by the senses of taste and touch. Then a practical joker prepared a smooth round piece of cork about the size of an apple. Over this dummy a bit of apple juice was poured and it was then handed to the blind-folded expert. The expert tasted the cork several times, and a puzzled expression appeared on his face. Suddenly he smiled and said, "You can't fool me. This is a Ben Davis, but it is the best Ben Davis I ever tasted!"

CUT OUT OLD CANES

Last spring I set out some raspberry plants. I notice recently you said to cut out the old canes after harvest. Do they grow new canes every year for fruiting? What kind of fertilizer could I cultivate in this spring for raspberries, also strawberries? Have no stable manure.—R. de Boer, Missaukee County.

YES the old raspberry canes always die after they produce their crop and the sooner they are cut out after harvest the better. The fresh young shoots which come up during the summer are next year's fruit producers. The best time to fertilize strawberries for fruit production is late in the summer or early in the fall. Sprinkle sulphate of ammonia lightly on top of ground between the rows being careful not to get any on the leaves, as it will burn. This treatment will give the plants big crowns and lots of strength to grow a good crop the following spring. Spring application of fertilizer might be of considerable help to a newly set patch to give it a good start. In such a case a small pinch of fertilizer around each plant soon after planting will help.

Most raspberry growers enrich their soil with manure before planting and then depend on clean culture to keep the ground in good condition. However if you wish to try some fertilizer we would suggest a small handful of nitrate of soda (or sulphate of ammonia) around each

plant early in the spring. We would also suggest that you leave a few plants unfertilized for comparison, to determine whether it pays to use fertilizers on your soil for raspberries. For raspberries and also for strawberries it is well to remember that nothing is so important as clean culture. "Tillage is manure."

FERTILIZING GRAPES

I have some grapes which I set out two years ago but they don't seem to grow as well as I think they ought to. Is there any fertilizer, manure or anything I can put on them to make them grow?—W. W., Oakley, Mich.

THE best fertilizer for grapes is barnyard manure. Where the vines are making a weak growth the manure can be applied in quite liberal quantities. The next best soil treatment, and this is the one used by most commercial growers, is sulphate of ammonia (or nitrate of soda) applied broadcast early in the spring, and a cover crop sowed late in July and plowed under early the following spring. Apply the fertilizer on top of the ground about the time the buds begin to swell in the spring using about 150 to 200 pounds per acre.

PLANNING ORCHARD

For permanent trees in our orchard we are planning 4 rows Spys, 1 row Greening, 1 Kink and Steel Reds, 1 Grimes and W. Banana, 1 Delicious and a few trees of fall and summer apples; eight rows in all. After removing our Wagner fillers will we have the right varieties to secure good blossom pollination? We have excellent storage and want to grow only varieties that can be stored from January 1 to April 1; just several summer and fall varieties for home use. Our plan is to sell to nearby markets when apples are in prime condition. What planting distance would you recommend? Spys in this district grow too large; about 30 foot spread or more. Any suggestion you might make will be appreciated.—A. R., Tuscola County.

THE group of varieties which you mentioned should take care of the pollination problem very nicely and should also provide a supply for local market throughout the winter. A distance of forty feet should do pretty well for the permanent trees with the fillers between. Some varieties, such as the Grimes, may not need quite so much space but as you are using fillers it would be a good idea to get the permanents plenty far enough apart. Don't know as we can make any further suggestions as to varieties. You have picked them pretty well for your purpose. If you could find room for a few McIntosh you probably would not regret having planted them. They would ripen ahead of any on your list but are very fine for local market. People like their flavor.

HERE'S HOW

To Avoid Losses When Shipping Hogs

By Ray Inman

Avoid losses when
SHIPPING HOGS
in hot weather



LOADING CAREFULLY
WITH AS LITTLE EXCITEMENT
AS POSSIBLE ~~~~~
Wet them down well!
WET SAND IN A CAR OR TRUCK
MAKES A GOOD BED ~~~~~



150 Lbs. of ICE
HUNG IN A
GUNNY SACK IN CAR
WILL KEEP HOGS COOL ALL NIGHT



THE COOL AIR DESCENDS
AND KEEPS HOGS COMFORTABLE.
[A SMALLER AMOUNT WILL DO IN TRUCK]



OUR RADIO

By B. K. OSBORN

(Any question regarding radio will be gladly answered by our radio editor. You receive a personal letter and there is no charge if your subscription is paid up.)

AMATEUR RADIO

THE seventh annual Michigan Convention of the American Radio Relay League was held in Lansing, April 27 and 28. About a hundred members from all parts of Michigan and some from distant states were in attendance. Technical sessions, local inspection trips, a smoker, and a banquet kept the visitors very busy.



B. K. Osborn

The casual observer noticed two things in which this one differed from the average run of conventions. The first was the great range of ages, boys of high school age or younger mingling freely with grey haired men who appear to be nearing their three score and ten. The second was the carrying of whistles on which the members kept up a peep-peeping of call signals, greetings, and jests in the telegraph code of dots and dashes.

Probably Mr. Average Citizen wonders what amateur radio is and what reason there is for its existence. A person who operates a radio transmitting and receiving station for communication with other similar stations merely for pleasure and without pecuniary interest is an amateur. There are about 16,000 amateur operators licensed by the United States government. The majority of these are boys of high school age. A large share of those between the ages of 18 and 35 are enlisted in army, naval, or aviation reserve units and are supplied by the government with training and technical information which will enable them to be of great service in time of war or other national crisis.

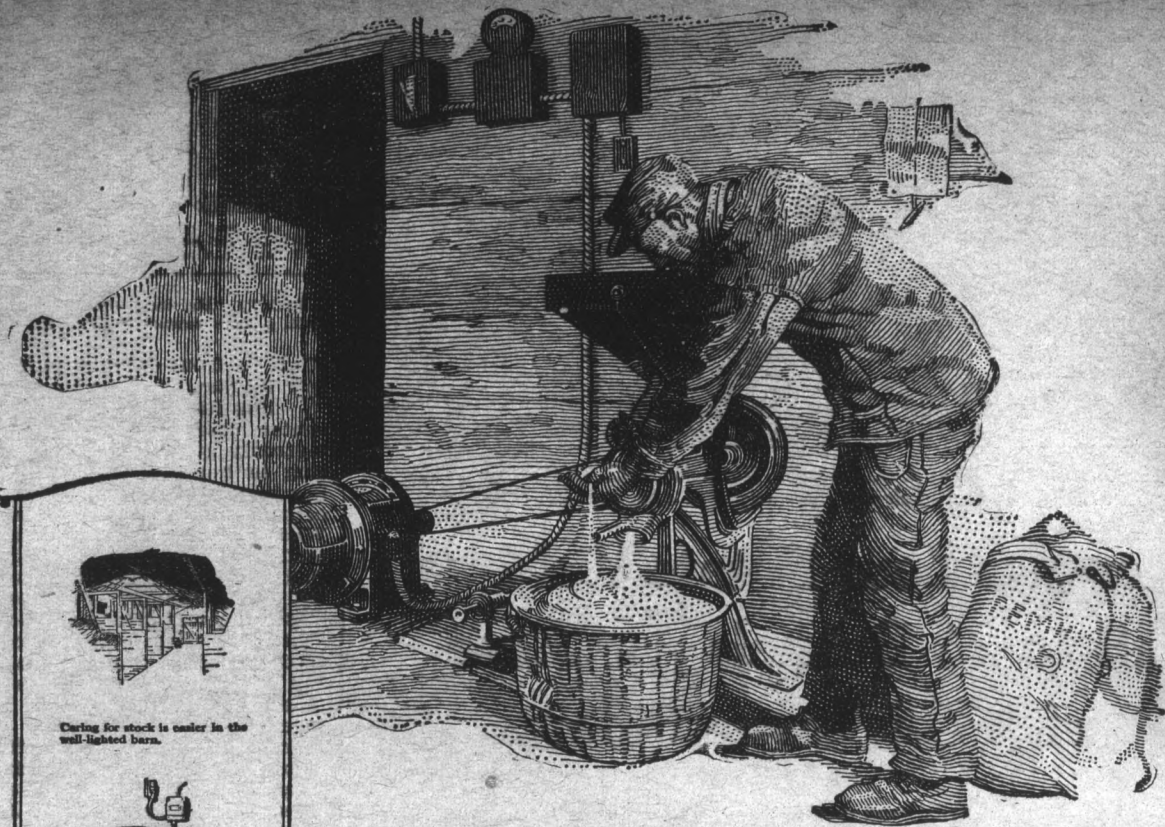
Wherever flood or fire takes down the communication lines amateur radio stands ready and in many recent disasters it has been the only means of communication with the outside world for days at a time. One of the amateurs' outstanding characteristics is their sense of duty and responsibility. Moreover, the turn of mind which urges them to go into highly technical work just for the fun they get out of it enables them to meet an emergency and keep their stations going under conditions which might make a merely paid operator give up. In many sections of the country the railroads have organized amateur stations for emergency communication chains and drills are carried on in which imaginary trains are dispatched and official messages are handled by the amateur chain.

To amuse themselves the amateurs "handle traffic" as they call it. Personal messages between friends and relatives are shot back and forth across the country. Most of them are relayed many times and some go astray, but the ones that reach their destinations bring a warmth and thrill that does not come with commercial telegrams.

The American Radio Relay League is the amateurs' organization. It develops routes for the efficient handling of messages; it publishes a monthly magazine, "Q S T," which is a gold mine of technical information; it conducts a secret society for those who like that sort of thing; but most important of all, it brings all these American amateurs together in the solution of their common problems and instills in them that fundamental principle of good citizenship, that the desires of the few must be sacrificed for the good of the many.

HE COULD FIND THEM

The farmer's son had graduated from college with high honors but he had never been able to find out just what these honors were in. The time to dig potatoes was at hand and the farmer thought his son might help. However, when the idea was suggested to him he replied, "Well, Dad, I think you better dig them, because you planted them and you know right where to dig."



The Electric Mill Saves Mileage and Money

IT SEEMS a small thing to haul feed to the grist mill for grinding and to bring it back again. But mileage means money to the farmer—it is one of the biggest elements in farming costs.

A small motorized grinder will keep the feed bin filled almost automatically. And this is just one way in which G-E motors, control, and other electric equipment are saving money on well-managed farms. For only as the farmer's own time is set free, can the improvements on which his future profits depend be carried out.

Farmers who know electric equipment look upon the G-E monogram as a mark of dependability on electric devices.

Ask Your Power Company

If your farm is on or near an electric power line, ask the power company for a copy of the new G-E Farm Book which explains more than 100 uses for electricity on the farm.



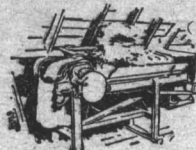
Caring for stock is easier in the well-lighted barn.



An automatic electric water system settles the water-supply problem.



The motor-operated grain elevator saves time and labor at seasons when the demand for both is greatest.



A GE electric motor is better than human muscles when it comes to cutting feed.



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Mineral Remedy Co., 450 Fourth Ave., Pittsburgh, Pa.

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The Business Farmer, Mt. Clemens, Mich.

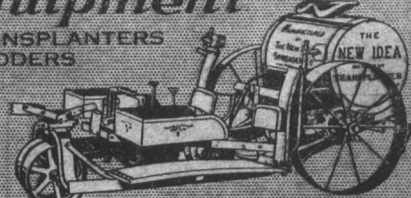
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CORN HUSKER • SHREDDERS

NO other Transplanter like this! Entirely different in design—vastly better in performance. Driver sits behind setters. Floating frame—uniform depth certain. Sales and service everywhere. Write for catalog.



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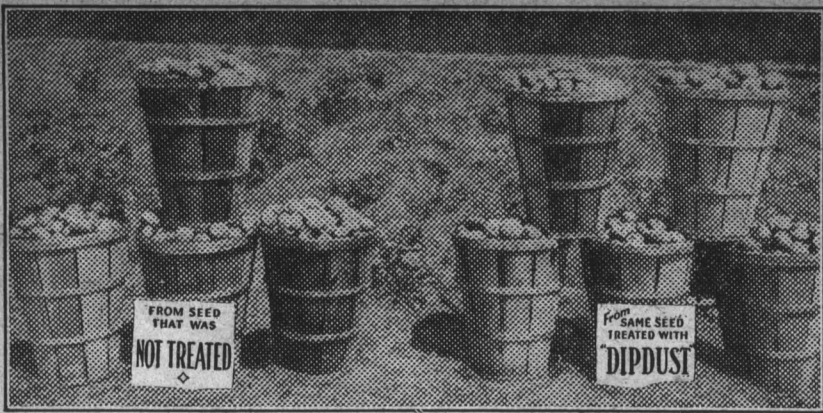


Photo taken on farm of J. C. Seabrook, Rockville, S. C. DIPDUST treated seed yielded 26 bushels more per acre than same seed not treated.

Increase Your Potato Yield 15 to 25 Bushels per Acre with This Instantaneous Dip

Treat your seed potatoes as fast as you can scoop them up. Just dip them in DIPDUST solution and out again—all ready to plant.

DIPDUST protects the seed and insures a heavy, profitable yield. It is much more effective than the old fashioned "two hour soak" treatment—besides there is not the slightest danger of injuring the sprouts or even cut seed.

After one trial of DIPDUST you will never again waste two hours treating seed potatoes or spend two weeks worrying about your stand. Compare this New Treatment with the older ones:

THE NEW WAY

*Dipdust Organic
Mercury Disinfectant*

1. Requires less than 1 minute. One man can easily treat from 200 to 400 bushels of potatoes per day.
2. Can be used on cut or sprouted seed without the slightest injury.
3. After cutting, protects the cut surfaces from seed-rotting organisms in the soil. This insures a better stand of stronger plants.
4. Controls surface-borne diseases, such as Rhizoctonia, scab and black-leg.
5. Improves the stand and growth of the plants, and thus increases the yield 10 to 20%.

THE OLD WAY

*Formaldehyde or
Corrosive Sublimate*

1. Require from 1½ to 2 hours. One man can treat only from 50 to 75 bushels per day.
2. Can not be used on cut or sprouted seed without injury.
3. Before cutting, give no protection to the cut surfaces. The seed frequently decays in the ground before the young plants get started.
4. Although effective against Rhizoctonia, and scab, do not control black-leg.
5. Frequently decrease the stand, and therefore the yield, to a serious extent.

GUARANTEE

Plant a few acres of DIPDUST treated seed in alternate rows with untreated seed. If, at digging time, you are not satisfied, return the empty DIPDUST can to us and we will refund price paid.

One pound treats 15 to 20 bushels of seed potatoes.

Treat your Corn and Vegetable Seeds too

You can now also disinfect your seed corn and vegetable seeds with DIPDUST and increase your yield by preventing many of the diseases which cause poor germination, weak, spindly plants, and poor quality crop. Simply use as a dust treatment. It is easily and quickly applied and costs but a few cents per acre. One pound of DIPDUST will treat six bushels of seed corn, or from six to eight bushels of vegetable seed.

The Bayer Company, Inc., Agricultural Dept., 117 Hudson Street, New York, N. Y.

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4 ounces - 50 cents 1 pound - \$1.75 5 pounds - \$8.00

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Seeds For Life's Springtime

A NON-SECTARIAN SERMON BY

Rev. David T. Warner

(If there is any questions regarding religious matters you would like answered write to Rev. Warner and he will be pleased to serve you without charge. A personal reply will be sent to you if you are a paid-up subscriber.)

TEXT: "He that soweth righteousness hath a sure reward." Proverbs 11:18.

ON its front cover page is a pictorial display of a vigorous vegetative life. But the mother at the center catches one's eye. She is matronly attractive as she sits knitting in her easy chair. But look! She wears on her head a little white cap; a mark of piety and purity. What meaning could this have in a seed-catalog? Was it a guarantee that the seeds advertised were good and true to name? Perhaps.

But our text directs us to a catalog that advertises other incorruptible seeds. God guarantees the seeds in the Book of Proverbs; seeds of obedience, purity, temperance, industry, love, justice, helpfulness, and the fear of Jehovah. These all are put into one packet and labeled seeds of "righteousness." They are especially important for your sake, John and Mary. This is springtime. Because it is, father and mother are engaged in sowing the fields and gardens. It is a seasonal duty. It must be done to get the seasonal reward; the harvest. God has so arranged it. But, young friends, he has also brought your lives under the dominion of certain seasonal demands. He has given each one of you a fresh springtime for sowing. Generally speaking, what you sow during this vernal season, during the days of childhood and youth, determines the harvest of after years. Only day before yesterday a sixteen year old lad sat in my study bemoaning his fate. This boy has dropped out of high school, out of Sunday School, spends some time at odd jobs of work, and at other times is with the booze and cigarette gang. We tried to have him see his afterman; to see himself walking by ten years from now. You can see him too. Isn't it too bad?

"The fear of Jehovah is the beginning of knowledge." This is the key that opens our catalog. It is found in the beginning chapter. Young souls, use it. Are you beginning right? Are you conscious of God? Do you reverence him? Or, do you just follow your impulses? One of the boys of our community did this. He was driving recklessly and killed a man who could not escape his car. He just followed his impulse. Yesterday he was on trial for murder. So much for Godless living. You cannot help feelings from coming, but if you will sow the good ones they will grow up and choke out the bad. Another young man calls on the writer occasionally. He is poor and hardworking, but climbing. Walter is a genuine Christian. He is developing a character of extreme beauty and strength. But so can you. Your hearts are now plastic and fertile. Yet this has the dangerous alternative just mentioned. Consciously or unconsciously, you are engaged in filling out the beginning pages of life. What are you writing? It is hard to erase the bad. What are you sowing? You cannot gather up the tares. If you do not sow righteousness now, you may never do it, and that would be overwhelming disaster. But should you wait until later you cannot sow nearly so well as now. "Youth is life's seed-time" said our own Longfellow.

Ask dad why his habits are not better. He will tell you he did not begin right. The tracks of a heedless boyhood were followed too long. And the more he trod them the harder the pathway became; but the easier to walk. And now the manner of his life is fixed. What kind of habits are you sowing, young friends? Be sure they will fruit after their kind. And that is your character, good or bad. That you are the maker of your after-self is reason enough for you to begin carefully, and to continue carefully. This is the law that dad applies in securing a crop. He is careful about fresh, fertile soil, good seed, day-by-day watching and cultivation, and then the harvest. The thought and labor

of every day from sowing to gathering is shown in the ultimate crop. In like manner is your character formed. All thoughts and deeds are found in the final structure. The smallest things mar or help. The print of a little foot can be seen in the cement walk at the writer's back door. Some little one wandered there when the walk was new and impressionable. Who knows whether the little tracks will ever be erased? So, little fleeting things will be recorded in the final testimony of life.

"Hath a sure reward." Boys and girls, the harvest is inevitable; some-kind. This should challenge the best in you. We cannot escape reaping; and too, the reaping of what we have sown. There is a lot of mystery in this but we have found it to be sure. It is a law both in the realms of nature and of character. You are pre-eminently in the springtime of life. Dad and mother are in the reaping time. Of course, they are the best folks in the world, yet they will tell you they are reaping some bitter fruit. Ask them why. They would fain change many past things if they could. But Time has painted their picture on the canvas of years; and there it is. Your picture is being painted now. So be careful of your pose. You surely want your portrait attractive with lines of honesty, purity, and holy purpose. These characteristics grow bigger as you grow older. Lastly, you see, you are enlarged into a vivid likeness of past years.

God has put you into a fair world and means that you shall get joy out of it. But do not be insensible to the adverse winds that blow their seeds of sin your way. The weed seeds that blow about the farm makes your father uneasy. But he conquers them thru intelligent and well-directed effort. Now, you must do just this thing or the world will give you back kill-joys. Trust in Jesus who conquered the world. Crusade for him and thus be ready when your sheaf is gathered in.

MUSINGS OF A PLAIN FARMER

By A. P. BALLARD

I WAS out browsing around in the snow this April morning. Very unseasonable weather. It has changed from terrible to worse.

Seems the elements themselves have turned the back of their hands to the down-trodden agriculturist; or dirt farmer; or grass root farmer; or what have you.

Even old Sol conceals himself behind a thick bank of gray clouds.

I am anxious to be about my affairs, but instead I am walking around aimlessly. Mumbling to myself.

Mrs. B. says I've got the whines. But its not a very pleasant thought to pull up next November without a farthing to grease your fist.

Perhaps it will warm up soon. Michigan climate is noted for its stunts.

I must keep my faith and my mind and try to avoid a collision with a fence post in my bewilderment. By so doing I might throw myself out of gear and become unfit for work when the ground is ready.

It is useless to try to rush nature. We always get a throw back.

Perhaps it would be well for me to munch a raisin cookie and drink a beaker of Holstein milk just placed before me by the queen of the dripping pan. And retire and release for a time the worries of mind and body.

Chatting with the Agricultural Teacher

Edited by V. O. BRAUN

(Mr. Braun is a farmer, a teacher of agriculture and a writer. He owns and operates a large farm in Branch county known as Spring Water Farm. He is a successful teacher of agriculture in a high school in Shiawassee county. Also he writes for many leading farm magazines of this country. He is well prepared to help farmers with various problems and our folks are welcome to write him at any time. Just address him care of M. B. F. and you will receive a personal reply by early mail.)

M. S. C. No Longer Makes Culture

In this department some time ago I published the information that alfalfa and clover cultures, for the inoculation of seed, could be obtained from the Bacteriology Dept., Michigan State College, East Lansing. The cost of these cultures was twenty-five cents each and one culture was sufficient to inoculate one bushel of seed. A few days after this article appeared in print I received information from the college through one of their bulletins that the Bacteriology Dept., on account of lack of space and insufficient help, would discontinue the culture manufacture which they had carried on for a period of about twenty years. I was sorry to see this service to the farmers of Michigan discontinued, but it has been taken up by the Edwards Laboratory, 729 West Ionia St., Lansing, Mich., and cultures may be secured at that address.



V. O. Braun

In as much as the state manufactured the cultures and sold them at cost, the price is now higher, fifty cents per culture, because they are manufactured by a commercial firm, which of course must make a profit. The Edwards Laboratory is recommended by the Bacteriology Department and farmers may feel sure of securing good cultures at this new address. They may also be secured from your county agents and some seed stores handle them on a non-profit plan. A few weeks ago I was in Hillsdale, Michigan, and a seed store there was selling cultures for twenty-five cents each. I found out however that he had sent to the experiment station at Urbana, Ill., and secured the cultures when the experiment station at Michigan State College discontinued making them.

Signs

In a recent issue of M. B. F. I read a short article on what sign of the moon to plant potatoes in order to insure a bountiful harvest. I do not remember the author's name and I hope he will not hold any offense when I take issue with him. Every man has a right to his own opinion, but I teach in my agricultural classes that the old, beautiful, romantic moon which we all love, has no effect on production of crops. Neither do I believe that you can discover a well with a peach twig or cure rheumatism by carrying a horse chestnut in your pocket, nor do I believe that there are ghosts in a cemetery. Last summer my brother and I, just for sport, pitched our tent in a cemetery in Idaho for a night and never a white sheet did we spy.

There are other kinds of signs however that I think we ought to observe more carefully and those are the ones which read: Stop; slow curve; and drive carefully; which are posted along our highways. I always impress upon my economics class the loss in wealth of cars and lives which results from not observing these kinds of signs.

Soy Beans for Hay

Several inquiries have come to me regarding Soy Beans as a crop for hay. This important crop ranks high as a soil builder and is gaining favor as an emergency hay crop. Its acreage has increased as fast as any crop recently introduced in the last few years, an increase of 35 per cent in 1926 and nearly doubled in 1927. Soy Bean hay has about the same feeding value as alfalfa hay and is handled in harvest in about the same manner. Its chief drawback is that it is difficult to handle as a hay with our present machinery, especially when the crop is very heavy. They should be planted in late May or early June by drilling with a grain

drill at the rate of 1½ to 2 bushels per acre. The varieties recommended for Michigan are the Early Brown, Manchu, Wilson, and Ito San. Inoculation is necessary on land where the crop has not previously been grown. They are harvested with a mower after the pods start to fill.

Brood Sows

I received a letter from a farmer near Saginaw a few days ago asking for information on feeding and caring for brood sows. He had just purchased six pure bred gilts and wanted to know the best method of caring for them. I at once thought of the thirty hogs we recently sold from Spring Water Farm for \$8.50 per hundred after feeding them on high

priced corn, and my first inclination was to dictate a letter to the stenographer informing him that my advice would be to shoot them and sell the corn he intended to feed them. Upon second thought I decided to look up on how hog prices have been running in the last fifteen or twenty years and what did I discover. Making a graph of hog prices showing the high and low markets I discovered that in 1910, 1914, 1917, 1918, 1919, 1922, 1926, were high peak prices and 1912, 1916, 1924, were low bottom prices. During the war the prices were high but at all other times low and high points occur at regular intervals of about every two years. The cycles are caused by over and under production of hogs. When the prices of hogs are high we hurry into the hog raising business. It takes about two years to secure the sows, breed them and raise the hogs to market age. When this is done the production is too great and the price falls to a low point. Then with poor profits in hog raising farmers begin to get out of the business as we are now doing. This cuts down

the supply again and high prices are reached and in this manner the cycle starts all over again. So it looks as if this farmer knew what he was doing after all. When everybody else is getting out of the business he is going into it and will be at the high peak in 1930 when he has a large number of hogs. I believe that the man who buys cheap sows within the next year and breeds them during low prices is going to be the fellow who can drive a new car when the 1930 model comes out.

PREFERRED TO PARK

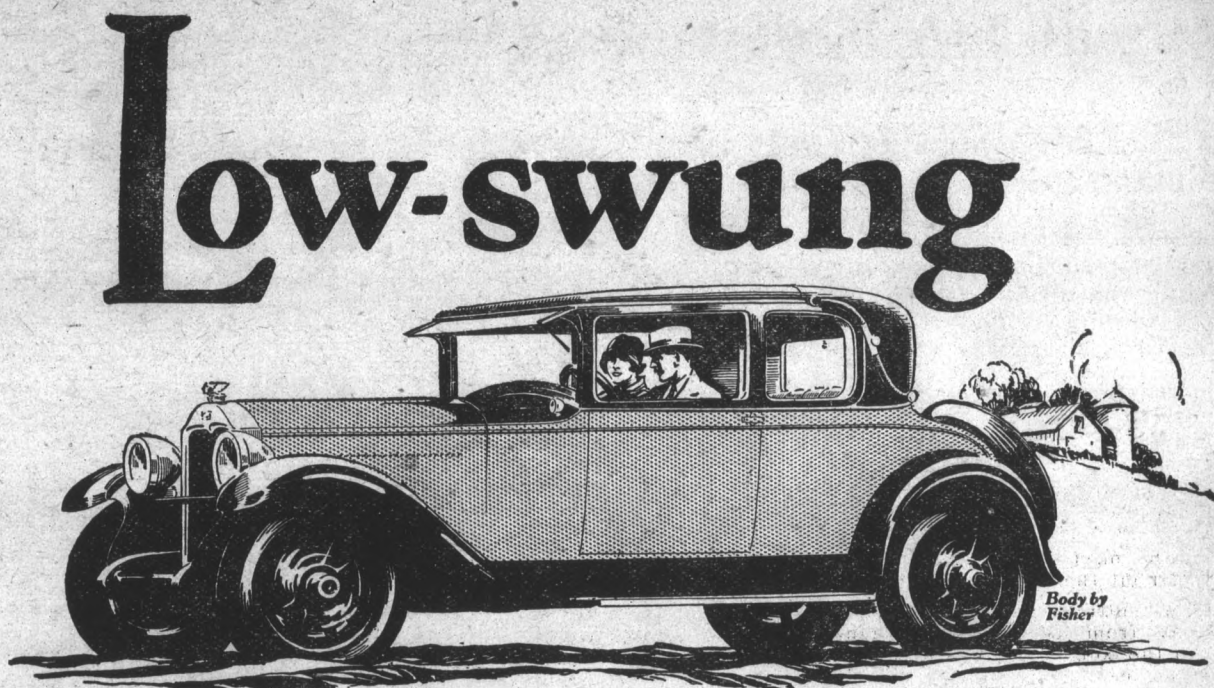
A farmer lad was rather sweet on a city girl and he was taking her for a ride one evening. They had just nicely got started when she spoke up, "Don't you love driving on a night like this?" "You bet I do," said the boy, "But I really prefer to park so I can give all of my attention to it."

SEEING DOUBLE

Son: "How do you tell when a man is drunk?"

Father: "See those two men over there? If you were drunk they would look like four."

Son: "But, father, there is only one man over there."



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... yet Buick clears the ruts and gives head-room as well

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The Michigan BUSINESS FARMER

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SATURDAY, MAY 12, 1928

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We will not knowingly accept the advertising of any person or firm who we do not believe to be thoroughly honest and reliable. Should any reader have any cause for complaint against any advertiser in these columns, the publisher would appreciate an immediate letter bringing all facts to light. In every case when writing say: "I saw your advertisement in The Michigan Business Farmer." It will guarantee honest dealing.

"The Farm Paper of Service"

SETTING A GOOD EXAMPLE

THE Muskegon County Farm Bureau has set an example that might well be followed by other county farm bureaus throughout the State of Michigan.

Chicken thieves were altogether too numerous in that county in the estimation of County Agent Carl H. Knopf and the directors of the county farm bureau and they decided to do something on their own hook about the matter. Of course, they appreciated what THE BUSINESS FARMER was doing and they enjoyed the cooperation of their local officials but they realized that they were going to have to do more themselves if this pest was to be done away with. One idea that appealed to them was the marking of poultry and after making a thorough investigation as to the merits of various markers they decided in favor of the one we are selling, at cost, in Michigan. Their first order was for fifty and we feel confident that it will not be long before there will be several times that number of markers in use in Muskegon county.

If they had gone no farther than this it would have been a worth while accomplishment but they didn't stop here. The directors voted to pay a reward of twenty-five dollars to each person other than a law enforcement officer who furnishes information leading to the arrest and conviction of any persons stealing poultry marked with one of these special Muskegon county numbers.

SHOW INTEREST

WE are very well pleased with the way folks are responding to our Farm Home Yard Beautifying or Improvement contest. Every mail brings several application blanks and most of them are accompanied by a rough sketch of the yard and requests for suggestions. We welcome both application blanks and the opportunity to assist. How about your entering the contest? Complete details and an application blank appeared in our April 28th issue. If you have mislaid your copy you can send in your application in a letter and we will see that a blank is made out. Details will be gladly mailed to any who overlooked them in our last issue.

LIVING WITH THE CORN BORER

NOT even the most optimistic of our entomologists appear to believe that we will be able to get entirely rid of the European Corn Borer for many years to come, if ever, but they do not feel that it means the doom of America's corn crop. America has grown corn since its earliest history and it will continue to grow it as long as this old world continues to exist and we have our four seasons with plenty of sunlight, but it will be grown differently in the future than it has been in the past. The clean-up work which is playing such a big part in our fight against the pest today will continue to play a big part in the success of our corn growing. More

silos will be used in the future, ground will be fitted more carefully, and we will develop varieties of corn that mature in a shorter period of time. Already much has been done to develop early maturing varieties, especially here in our own State, and certain ones are being suggested for the different sections of Michigan. An article on page three by H. C. Rather, extension specialist at M. S. C. discusses these. From it you can learn the varieties recommended for your part of the State.

BUYING BABY CHICKS

SO FAR this year the baby chick season has been a most unsatisfactory one to both hatcherymen and farmers alike. Cold weather can be blamed for practically all of the trouble. Hatches are poor and orders far from plentiful when temperatures are low. Most farmers are unprepared to take care of chicks when the weather is cold and many of them decided to put off ordering until they were sure it was going to stay warm. Others have held off, waiting for bargain prices which usually come late in the season. As a result hatcherymen have been far from pleased with this year's business to date, and if it does not improve shortly many of the large producers of baby chicks tell us they intend to shut down. Some have all ready set their last hatch. They do not intend to make many bargain prices this year because too many of them lost money last year at it. So if you want to buy some baby chicks you better be ordering them soon, otherwise you may find you will not be able to get just what you want.

VERY MUCH WORTH WHILE

IT ISN'T very often that we take space on this page to talk about Mrs. Annie Taylor and her work because we have found the lady always ready and capable to handle her own work very satisfactorily without any assistance whatsoever from the men folks on M. B. F., but we do want to mention and comment on two things she is doing which we think ought to interest the men as well as the women. Perhaps many men are already familiar with both of them, because we have a sneaking idea that the readers of the Farm Home page are not all women, at least the correspondence Mrs. Taylor gets would indicate that.

One is the community clubs she is helping to organize in several parts of the State. It happens that the membership of most of these clubs so far has been confined to the women folks, but we cannot see any reason why they should continue to be that way. Why shouldn't the men take an active part in them? The women will be glad to have them, we feel sure. Certainly a good community club is worth while in any neighborhood. Everybody connected with it benefits in more ways than one and it makes the community a better place in which to live. If any of you are interested in forming a club or improving the one you already have, get in touch with Mrs. Taylor; she will be glad to do all she can to help you.

Another thing, she recently asked the women to send in letters about happy marriages. We read about so many divorces in the newspapers that we are inclined to believe that there is no such thing as a happy marriage, but she declares there is and the letters she is receiving indicate that there are many farm women in Michigan who agree with her. How about the men? There are many men living on farms in Michigan who are happily married. Mrs. Taylor would like to have them write in also, because she wants to have both sides of the houses present their "cases."

OUR STATE POLICE

WE have before us a letter from Commissioner Oscar G. Olander, of the Department of Public Safety, in which he states, "I wish to inform you that during the last few months we have had all the officers in the Department go through an advanced schooling at East Lansing. Particular emphasis was placed on complaints from farmers, farm organizations, your publication, etc., that these should be given immediate attention."

During the nearly two years period in which we have been carrying on a fight against rural thievery we have always found the State Police willing and ready to cooperate with us. We have referred many complaints to them and they have sent out special officers to investigate and offer assistance. This special training will perhaps fit the men even better than they previously were to take care of complaints. Call on them if your local officers can not give you the desired service.



"WHAT we need," says my New York friend, "is for our arguments to end. I find that you're a decent guy, I can't dislike you if I'd try, you've told me things I ought to know about how corn and fatters grow; when you have raised them, I'll agree, you ought to get some pay, by gee. The way to care for your surplus is not to sit around and cuss about the predatory rich who skin you out of products which you've toiled and sweat around to raise. If you'd make money from your maize, let's get together on a plan and solve the problem if we can."

Says I, "If ev'ryone would be as liberal as you, by gee, we'd git together fast enough and market all our surplus stuff. Us farmers back there in the sticks ain't anarchists or Bolsheviks, we don't want nothin' but a chance to put some money in our pants. Us farmers like our profit too, and while we ain't as smart as you at playin' on the stock exchange, our whiskers ain't so full of mango. There ain't no hayseeds in our hair, and you will find that we play square. We don't hate no one, all we ask is that you understand our task and when we ask for something that you don't oppose us and stand pat, but realize that us folks too need privileges as well as you." So we shook hands on it and then we went to playin' golf again!

PETER PLOW'S PHILOSOPHY

It's funny how a few days of warm, sunshiny weather will change a fellers outlook.

"Every dog has his day," they say. Well, I guess Congress figured it was about time for the Corn Borer to have his so they didn't get us any money for clean-up work this spring.

High winds carry the corn borer moths and do much to spread the infestation. With the help of Congress they ought to cover a lot of new ground this year.

They say Senator Couzens voted for the McNary-Haugen bill when it came before the Senate the other day. Well, he knows how it goes to farm at a loss 'cause his Wabeek Farms, near Pontiac, cost him around \$35,000 a year to run.

There are over six hundred thousand 4-H members in this here country of ours that are takin' the joy out of life for some of us cusses that stick to the old ways of doin' things and claim they're the best. Our advise on agricultural matters ain't bein' asked any more.

Ever hear this one? A colored man was brought into police court and fined for hittin' his wife in the face. The next day he was tellin' a friend about it. "From now on Ah ain't goin' to do no mo' hittin'," he said. "No, Sah, now when mah wife zasperates me Ah'm gwine to kick'er an' kick'er good—den, she cain't show it to de Jedge."

COMING EVENTS

Aug. 3-4.—Tour of Michigan State Horticultural Society.

Sept. 2-8.—Michigan State Fair, Detroit, Mich.

Oct. 30-Nov. 2.—Top o' Michigan Potato Show, Gaylord, Mich.

Nov. 7-10.—Greenville Potato Show, Greenville, Mich.

Nov. 14-16.—Western Michigan Potato Show, Big Rapids, Mich.

"The Business Farmer" is more than a periodical It is an Institution of Service!

The Publisher's Desk

(We are always glad to do all we can to protect our subscribers from fraudulent deals or unfair treatment from concerns at a distance. We advise on stocks and bonds, and investigate different concerns for our subscribers. This service, including a personal letter, is free when subscription is paid in advance.)

MORE ABOUT CHICAGO AUCTION JOBBERS

A SHORT article regarding the Chicago Auction Jobbers appeared in the April 28th issue. It will be remembered that the post office charged them with being fraudulent and refused to deliver mail to them. The following regarding the merchandise they sold is taken from the fraud order:

"A large quantity of so-called merchandise has been submitted by persons dealing with Bollyn pursuant to the above quoted circular matter and the same is now in evidence before me. I have carefully examined this alleged merchandise and I find it to be practically worthless. It is for the most part soiled, torn, and not only unsaleable but unwearable. Its condition is such as possibly to endanger the health of persons touching it.

"The rugs represented as having been 'thoroughly cleaned' are in fact extremely dirty, the overcoats alleged to have been 'cleaned and pressed,' and 'not in need of repairs' are in fact soiled, unpressed and torn. The shoes represented as being 'good as new,' have large holes in the soles, broken uppers, and are soiled with wear. In many instances a miscellaneous assortment of worthless junk in no way resembling the articles ordered is sent remitters. Mr. Bollyn admitted to the post office inspector who investigated this case that a great deal of the alleged merchandise sold by him is obtained from the Chicago 'Ghetto,' a district of extreme squalor and filth in that city."

The fraud order included the Chicago Auction Jobbers, United Auction Jobbers and Salvage Sale Headquarters, which were all trade names used by E. C. Bollyn, the promoter of the scheme.

INHERITANCE LURE CONTINUES TO FIND VICTIMS

THE desire to acquire money in the quickest and easiest, yet honest, way is strong within most of us. That is why the promoters of inheritance schemes reap a financial harvest.

All you need to become a prospective victim is to have a name that appears on the tax lists of early times. This gives the promoters of the scheme the excuse for soliciting funds to be used in furthering the rights of heirs to contested estates. The fact that the property in question may have been bought and sold several times on the basis of full title search is not taken into consideration by the promoters who also ignore the advice of legal authorities who consider the titles unassailable.

Not long ago we published a short item on this page regarding the "Edwards Estate" and in it we stated that Joel F. Webb, a lawyer with headquarters at Birmingham, Alabama, who promoted the "Edwards Estates Corporation of Alabama," had been charged with fraud by the post office department. His trial came up during March and he was sentenced to three years and fined one thousand dollars. The judge granted a stay of sentence pending his good behavior for the next five years. The Federal indictment charged Webb with use of the mails to further his plan of having himself

appointed general counsel of the Edwards heirs claiming property, valued at many millions of dollars, owned by the Trinity Church in New York City. It was alleged that Webb charged a retainer fee and a genealogy fee of \$5 each to those joining the movement.

It seems that the title held by the Trinity Church has been a favorite target for these actions for many generations. Just recently the National Better Business Bureau issued a bulletin on the indictment of the promoter of the "Edwards Estate" in which it stated:

"It is estimated that thousands of Americans and Canadians have subscribed to various associations of Edwards' heirs and that more have been deluded into support of similar schemes by promoters, sometimes attorneys, visited a given city, brought about a meeting of Edwards' heirs' thru advertising, informed them of their hereditary title to the New York property, and occasionally referred to a \$16,000,000 trust fund held by New York banks until such a time as the heirs' proved title thereto. On the strength of these statements, the promoters offered memberships at \$25 each, with assessments not to exceed \$50 per year, but smaller amounts were acceptable as contributions.

"Descendants of one Anneke Jans Bogardus have similarly solicited for years to finance legal actions to validate alleged title to property also owned by the Trinity Church. One New York lawyer who furthered the scheme was disbarred in 1918 because of his solicitation of contributions to finance investigation knowing there was no chance of success."

"Proprietorship of Trinity Church to its holdings is founded upon a direct land grant from Queen Anne of England. Legal authorities acquainted with the matter are of the opinion that the title is unassailable."

A man and woman, giving the names of "Willis T. Gridley" and "Mrs. Gladys Wright," both of New York, were recently reported arraigned in Detroit on a Federal Grand Jury indictment, charging them with using the mails to defraud members of the "Association of Justice for the Descendants of Anneke Jans Bogardus." Gregory S. Frederick, the assistant district attorney, is understood to have stated that approximately \$100,000 is involved in the alleged frauds and that 3,000 persons are concerned.

Just recently supposed heirs of an estate in California have been receiving letters from Rochester, New York, asking for \$25 or more to prove up a claim and share in the vast estate.

Anyone who accepts the promises of these promoters and looks forward expectantly to great riches—well, they must believe in fairies.

In regard to the Holmes-Stuwe Company claim. It has been settled in full, amount paid \$78.22. Thanks for what you did for me. The claim was just settled when I received the card.—J. W. L., Alanson, Mich.

I received your card today saying you had written to Chicago Mail Order regarding my letter of a few days ago. Well in the same mail I also received the check from there, so further action will not be necessary. Thanking you for your promptness in taking up the matter, I remain.—L. H. L., Lakeview, Mich.

I received my check Saturday and want to thank you very much for what you have done for me as I would not have gotten the money back myself. This is the first year we have taken the M. B. F. but would not be without it.—F. S., Saginaw, Mich.

I appreciated your service very much as I received what was due me promptly and wish to thank you. Most heartily extend best wishes to the Collection Box of THE BUSINESS FARMER.—Mrs. O. S. W., Big Rapids, Mich.

I have been taking the paper for a long time and would not be without it for we always find a lot of things that we like to know.—F. S., Dryden, Mich.

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The Collection Box

The purpose of this department is to protect our subscribers from fraudulent dealings or unfair treatment by persons or concerns at a distance.

In every case we will do our best to make a satisfactory settlement or force action, for which no charge for our services will ever be made, providing:

- 1.—The claim is made by a paid-up subscriber to The Business Farmer.
- 2.—The claim is not more than 6 mos. old.
- 3.—The claim is not local or between people within easy distance of one another. These should be settled at first hand and not attempted by mail.

Address all letters, giving full particulars, amounts, dates, etc., enclosing also your address label from the front cover of any issue to prove that you are a paid-up subscriber.

THE BUSINESS FARMER, Collection Box, Mt. Clemens, Mich.

Report Ending May 3, 1928

Total Number Claims Filled	3,121
Amount Involved	\$34,406.65
Total Number Claims Settled	2,660
Amount Secured	\$34,938.09

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Statistics show an increased yield for Mulch Paper-grown sweet corn of 297%.

THE day of farming under Mulch Paper is here—Mulch Paper that stifles the weeds by the simple expedient of blanketing them—Mulch Paper that promotes plant growth by holding moisture in the ground instead of giving it up to evaporation by the sun—Mulch Paper that increases bacterial activity and plant stimulus in general by the heat it transfers to and conserves in the soil.

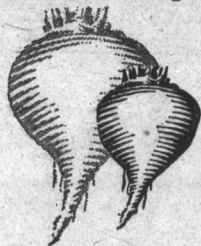
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and 300 lineal yards and in 18" and 36" widths. In order, however, that the greatest possible number of planters may try Gator-Hide Mulch Paper, the present limited supply is being sold in lots of not more than 4 rolls to an individual. Order your supply today and write at the same time for free booklet, "The Miracle of Mulch Paper," that not only tells the story of the development of this new principle, but shows you how to apply it.



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INTERNATIONAL PAPER COMPANY

CATAPULT By NORRELL GREGORY

Another Tale of the Homestead Country

WHAT HAS HAPPENED SO FAR

THE two years following the one in which the Muirs sold out and came to Colorado, and bought a ranch over on the west side of the divide, were hard ones. Not only did the bottom drop out of the cattle market but a hard winter killed off a large number of their cattle. Things looked pretty dark, especially to Doug Summers, an orphan who came west with the Muirs, and Mary Muir, because they were planning on getting married just as soon as they could get a little money put aside. Doug being an expert rider, decides to earn some money riding bad horses. A prize of \$1,000 is offered to the man who can ride Catapult and Doug has his eye on that prize. His plans do not meet with the approval of the Muir family. The third winter was a terror and it was June before the cattle could be turned out on the range. By that time they were a sorry looking lot. To make matters worse many of them got poisoned on giant larkspur and they died on every hand. It looked as though the folks were going to lose out but they decided to break up some new land and try raising more wheat. They had a steam engine they called "Wild Cat" and Doug and Terry bought a large plow from a neighbor. Returning home with the plow after dark an automobile ran into them but no one was hurt. They learned it was one of their neighbors, Sid Stuttgart and his mother and sister. Next morning they got at their work of clearing and plowing. After they got this work done, Doug, Terry and Mort started out to ride the range to see how their cattle were coming along. They found plenty of dead ones. Doug went over to the Stuttgart ranch to ride some untamed horses. He spent the night there and arose the next morning before the rest to ride one of the bad horses in the corral. While looking them over he learned that Fay Stuttgart was also an early riser and intended to watch him. He picked Hobo, half brother to Catapult. The first time he mounted he was thrown, being caught unawares, but the second time he conquered. That night Doug left for home under the influence of liquor and the trouble he had getting to his room aroused most of the family. The following morning Mr. Muir told him he would have to choose between them and the bunch at the Stuttgart ranch. Doug decided he could pick his own friends so he left the Muirs. A few weeks later they learned he was going to ride Catapult at the fair. Terry suddenly discovered he had business in town on that day and Mary appeared anxious to go with him.

(Continued from April 28th issue)

MARY found herself gripping her hands until the nails bit into the flesh. She stole a glance at Fay. The girl was leaning forward a little, in her eagerness, her lips parted, staring straight at Doug who was standing, indolently, leaning against the chute watching the saddling operations.

There was a general hush about the great crowd. Catapult was coming out! Two additional herders shot into the arena and a great roar went up.

"Doug Summers on Catapult!" shouted the announcer.

Mary was aware that something that resembled a horse and rider had catapulted into the arena. But for a time there was little visible but a dust storm. Terry, beside her, had gone taut as a stretched wire, and her own heart, it seemed had stopped dead.

Then she saw the hazers scurring wildly and heard corral poles breaking. Beside her, Terry groaned aloud.

"They let him into the fence!" he groaned. "It's his old trick. He'd butt into a cliff, head on. Is he down, Mary? Can you see?"

"I can't see," she said faintly.

But she could see.

A riderless, dust caked horse was struggling to its feet amid a tangle of snapped poles—Catapult! A dust-caked form was stretched on the ground, one arm outflung, face upward. Mary suddenly felt very faint and so weak she could hardly hold her head up.

"Buck up, sis," Terry was saying. "I don't think he's hurt bad. Got a crack on the head likely, from one of those poles." He went bounding out of the grandstand.

A group of men had collected around Doug and hid him from view. Terry bored straight thru this group and disappeared, too. Mary waited, hardly breathing. She did not even hear Fay Stuttgart when that girl spoke to her.

After a time the group broke up and there was Doug leaning a little on Terry, wiping the dust from his face with his handkerchief. And grinning!

"He would do that!" Mary said aloud. "What?" asked Fay.

"Nothing," said Mary.

"Let's go down and talk to him," suggested Fay. "I thought for a moment he was killed. My heart stopped for a while."

Mary followed her from the stand. People were deserting it now, talking excitedly. They found Doug and Terry and Sid down by the judge's stand. Mary hung back. Doug appeared a little pale but he was laughing.

"Don't blame them," he was saying to Terry. "They couldn't keep him off. Don't know whether I could have set him anyhow. But there'll be another time," he finished grimly. "He's going to Chicago this fall."

"And we'll be there to see you ride him," said Sid. "Won't we, Fay?"

"We will!" she declared.

Terry looked troubled.

"Doug," he said; "here's Mary."

"How'd do," said Doug, briefly, hardly looking at her.

"Doug," said Terry again; "we're getting all balled up out at the ranch. Don't you think you've got a plenty of this business now?"

"Can't say that I have," said Doug. "Just started."

"Why," said Sid, "it would be foolish for him to quit. He can be champion of the country, if I know my onions. Know what that means?"

"I sure do," said Terry shortly.

"It means that every movie company in the country will be after him. He can make more in a week that he can in a year up here."

"Doug," Terry tried again; "we need you pretty bad out there. Coming home with us?"

"Not today," said Doug. "But I'll be over to see you before I leave for Kansas City. There's a big rodeo up there next week."

Terry looked at him, then turned to Mary.

"Guess we'd better be going, hadn't we?" he said simply.

"I'm ready," she said promptly.

It was a silent ride home; dark when they got there. Mort and Mr. Muir had apparently just got in, for they were at the table, eating supper.

"Well," said Mort; "did the kid ride Catapult?"

"Until the herders let him get into the fence," Terry told him.

"Hurt?" said Mort.

"Not much," said Terry. "How's the cattle?"

Mr. Muir looked at Mort.

"You tell him what we found, Mort," he said. "You understand it better."

"We rode clear over the divide," said Mort, and found a good many dead cattle. But the funny thing was, nearly all of them wore your brand. It's a funny thing that the poison would kill only yours. Don't you think so?"

"Yes," said Terry; "I do."

"Did you see Lossing or Messer over at town today?"

"Why, they went over in the car with the others last night," said Terry. "I reckon they were there."

"Did you see them?" persisted Mort.

"No," admitted Terry; "I don't believe I did."

"There's something funny about these dead cattle all wearing our brand," persisted Mort. "I don't know what it is yet, but your father and I saw two riders crossing the Flat-tops about four o'clock. They were a long ways off, but I'd swear it was Lossing and Messer."

"Mort," asked Terry, "I don't know what you're thinking about, but if it's rustling, forget it. This isn't 1870."

"Know how many dead cattle we found wearing your brand?" asked Mort.

"Plenty, I suppose," said Terry.

"A hundred and forty-one," said Mort.

"Nearly half of what you turned out."

"How does that implicate Lossing or Messer?" Terry wanted to know. "A dead cow is no good to them."

"It might be, said Mort enigmatically."

"How?" persisted Terry. "I can't see it myself."

"You come out on the range with me tomorrow," said Mort, "and mebbe I can show you."

Terry and Mort started for the range early next morning.

"I don't see why," complained Terry, "that if you've discovered anything of importance, you couldn't tell me about it. We've got plenty to do at home."

"Because I ain't sure," said Mort. "Did you hear anything about Lossing shippin' out a bunch of early beef this summer?"

"Can't say that I have," said Terry.

"What of it, if he does or did?"

"A good deal," replied Mort. "If he does, it will mean he does it on his own hook. Stuttgart never ships a steer or cow till November. They're solidier then and he's never pushed for money like the guys that run this soft grass stuff in. If any of Stuttgart's cattle go to the pens in this month or next, or any bearing his brand, Lossing will rake in the proceeds."

"You're making him out a crook," said Terry.

"I'm not sure he ain't," said Mort, grimly. "After what I've seen."

"I wish to goodness!" exclaimed Terry, "that you wouldn't be so secretive about it. I know you're off on the wrong foot. How could he ship any cattle bearing Stuttgart's brand and get the money for them? All them brands are registered."

Mort suddenly drew up his horse and pointed out a whitefaced cow grazing a few yards below them. Her brand was not visible.

(Continued in May 26th issue)

THE FARM GARDEN

By C. H. HARNDEN
(Questions Gladly Answered)

MAY

THE month of May is the most critical and dangerous through which the farm garden must endure. Not only do insect pests and plant diseases get in some of their best "licks" this month but coupled with the fact the rush of spring work in the fields causes the farm garden to be neglected. A little care during this month is usually the deciding factor between success and failure.

Plant Different Varieties

Rather than plant the same variety of vegetables at different periods it is often more desirable to plant a number of different varieties each requiring a different length of time to mature, planting them all at one time. This will give a good succession of crops without the trouble of making two or three jobs of it.

For example, plant Alpha, Golden Bantam, Evergreen or Bantam Evergreen sweet corn all at one time. These varieties mature nicely in succession. Plant First and Best, Laxtomon and Telephone peas at one time. Set Copenhagen or Early Jersey Wakefield and Holland or Ball Head cabbage. Summer Crookneck and Hubbard squash. Early Scarlet Globe and Giant Crimson radish. Pencil Pod or Refugee Wax beans.

War on Insects

This month will also open the war on many of the insect pests. It is well to remember that one ounce of prevention is worth a pound of cure.

For cabbage, onion and radish root maggots use corrosive sublimate, (bichloride of mercury) one ounce in eight gallons of water. Mix in earthen or wooden vessel and apply with a long neck bottle or a sprinkling can with the nozzle removed and the inside waxed or tarred to prevent the poison coming in contact with the metal. Plugging the spout of the can with a wooden plug through which a $\frac{3}{8}$ inch hole has been bored will often aid in applying it evenly. Thoroughly moisten both sides of the row or in case of cabbage and cauliflower make a cup-shaped depression around the stem and apply $\frac{1}{2}$ cupful. It is advisable to treat about every ten days. The striped cucumber beetle is controlled by dusting with dust containing 20 pounds of gypsum to one pound of arsenate.

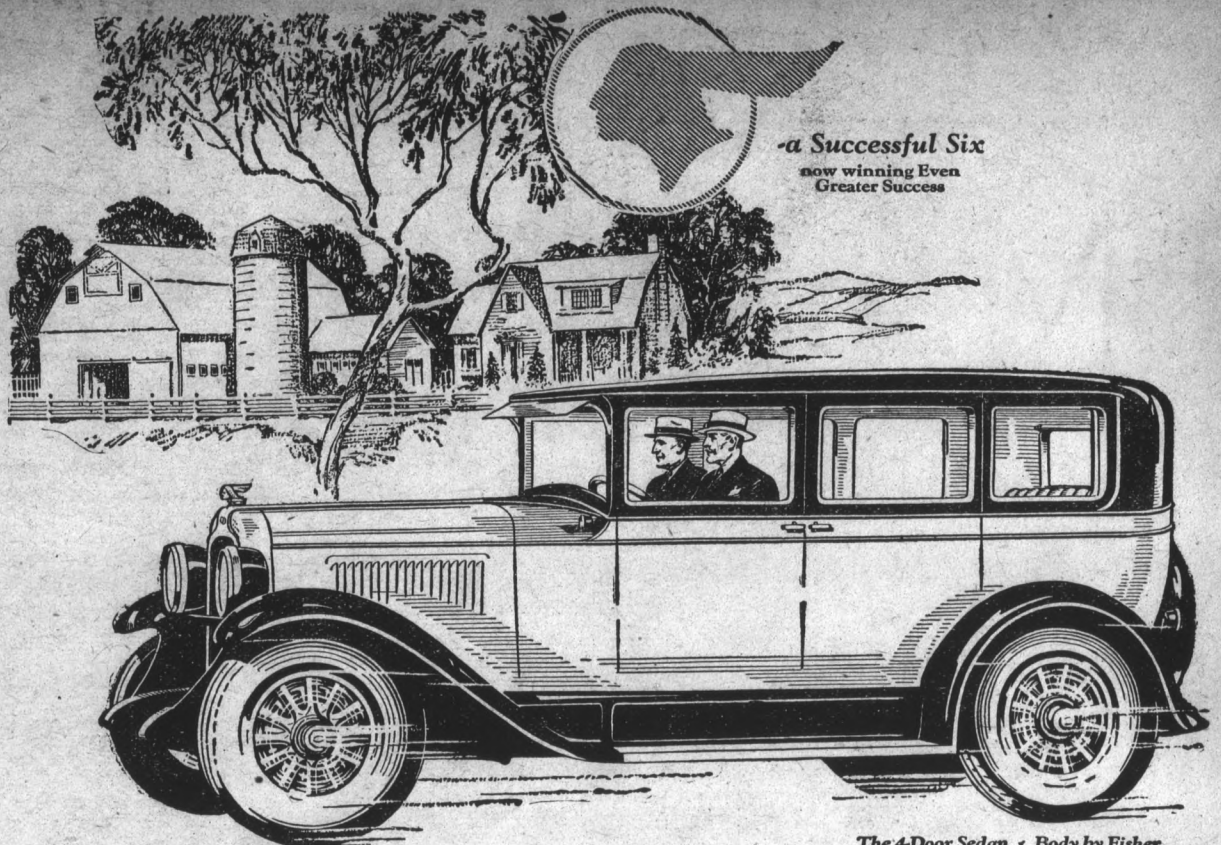
By all means control this pest as aside from harm done by eating the plants it carries such diseases as anthracnose, mosaic and wilt which are becoming more of a problem every year in Michigan. Cut worms can usually be controlled by poison bran mash. One pound of Paris Green, one quart of molasses and four quarts bran may be used. Add enough water to make a thick mash and don't let the hens get any of it. To use it merely scatter it over the infested area. This describes the most common pests. I will be glad to help our readers on any other trouble if they will write me, care M. B. F.

Controlling Plant Disease

Proper selection of crops, rotation, fertilization and cultivation are important factors in controlling plant disease. The fact that a certain area has grown a certain crop profitably often leads the grower to plant this same crop on the same area year after year. This should be avoided as much as possible as it encourages plant diseases and insect pests harmful to the crop in question to become established.

Sometimes the insect pests or diseases are difficult to recognize. In this case your county agent if you are fortunate to have one, will usually prove of assistance in outlining a system of control. Many of the manufacturers of spraying and dusting materials are publishing charts which are very helpful in recognizing insect pests and diseases.

The Michigan State College also has publications available on this subject. They are free for the writing and well worth having.



The 4-Door Sedan • Body by Fisher

Smooth, Dependable Performance regardless of weather or roads!

In advanced features of engineering—in staunchness, stamina and long life—in all qualities which appeal to men engaged in farming—no other car in the entire field matches the New Series Pontiac Six at \$745.

For today's Pontiac Six offers examples of progressive design whose value is most obvious to men with a mechanical turn of mind. It embodies the famous G-M-R cylinder head, contributing to smoother, more silent, more economical operation using ordinary gasoline. It introduces the cross-flow radiator with thermostatic control, eliminating losses of cooling liquids and assuring correct engine temperature in all

seasons. It combines the biggest six-cylinder engine at its price with such advancements as the AC fuel pump instead of a vacuum system, crankcase ventilation, new carburetion and manifold system, full-pressure oiling and interchangeable bronze-backed bearings.

And, in addition, the Pontiac Six retains all the staunchness of chassis and bodies—all the stamina—all the unrivaled long-life developed in years of testing on General Motors Proving Ground and proved in the service of 200,000 satisfied owners. Here, truly, is a low-priced six for the country home, offering smooth, dependable performance regardless of weather or roads!

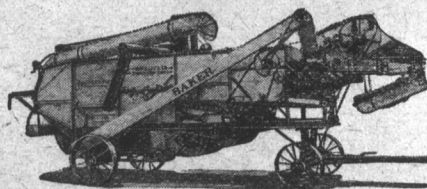
2-Door Sedan, \$745; Coupe, \$745; Sport Roadster, \$745; Phaeton, \$775; Cabriolet, \$795; 4-Door Sedan, \$825; Sport Landau Sedan, \$875. Oakland All-American Six, \$1045 to \$1265. All prices at factory. Check Oakland-Pontiac delivered prices—they include lowest handling charges. General Motors Time Payment Plan available at minimum rate.

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Kill this fellow before he ruins you and your crop! Government bulletins say: "Utilize as much of the corn crop as possible through the silo since the fermentation kills all the insects." The Old Reliable **Kalamazoo** WOOD STAVE or GLAZED TILE SILO will not only kill the dread borer, but will save your crop. Pays for itself the first year. Save by buying now. Easy terms. Write for free book on silos and building tile. KALAMAZOO TANK & SILO CO. Dept. K Kalamazoo, Mich.

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Clement's White Cap Yellow Dent, Picketts Yellow Dent and Michigan Yellow Dent (a very early dent). Certified Worthy Oats and Sweet Clover Seed.

Why take a chance on common seed when our scientific method of drying and preparing our corn insures germination and vigor. Write for Circular and Sample.

DEPT. T PAUL C. CLEMENT BRITTON, MICH.
Member of the Crop Improvement Association

WHEN WRITING ADVERTISERS
PLEASE MENTION
THE BUSINESS FARMER

THE OLD MOTHER

By Anne Campbell

We've taken all her thought and loving care
For granted, sort of. She was always there.
She cooked the things we liked, and her delight
Was just to keep the household going right.

Sometimes we even voiced our discontent
With her old-fashioned ways, and we'd resent
Her fussing 'round, and tell her of it, too.
There was no sense in all she used to do.

We wished she'd read more, and be up to date,
And join a woman's club; or stay up late,
And be a modern mother; dance a bit,
And get a nifty dress or two that fit.

We wished she wouldn't wear her apron so,
And hang around us when we had a beau.
We didn't help her much. She'd never rest,
She always said she liked her kitchen best.

Why is it, now she lies there, without fuss,
That all she did seems beautiful to us?
Why is it, now we're sure she has to go,
She's precious, precious . . . and I'm weeping so?

(Copyright, 1927.)

MARRIED 28 YEARS—STILL HAPPY

(I know "Farm Home" readers are anxiously waiting for the "happily married" letters to appear in print, so I am going to be generous and share the very first one with you. It arrived this morning, and I think you will agree with us that it is a mighty fine letter. Next issue, we hope to have more splendid ones to offer you.—Mrs. Annie Taylor.)

DEAR MRS. TAYLOR:—Today I got my BUSINESS FARMER and, as it is a sort of holiday for us, I just sat down to read it. Being a woman, I turned to the Woman's Page, and there I saw where you wanted to hear about the happy marriages, so I'm going to tell you about our's.

We are celebrating our twenty-eighth wedding anniversary today. I asked my husband if he would marry me if he had it to do over, and this is what he answered, taking me in his arms:

"There isn't another woman in the whole world like my dear partner."

I want to tell you that things have not been easy for us; we have had lots of doctors' bills to work for, and many times I have nursed him through a long spell of sickness, and I was always happy to see him be able to get around again. We have our misunderstandings, but we never sulk over them. We have lived on the farm all our married life and have raised a family of seven children ranging in ages from twenty-five to six years. We have known want more than once, but it didn't dim our love any. We have a nice farm in the beautiful Irish Hills district now.

We always talk everything over. I think it is the best way for a husband and wife to be partners; it keeps them closer to each other. I hope the good God will grant us a long partnership! My husband is fifty-three and I am forty-seven. We don't mind one bit if we are old fashioned as long as we have one another. I have all my children at home and am a true pal to every one of them. Some other time I will tell you why I am called a wonderful mother by my girls and boys.—A Pal, Wife, and Mother.

CLUB NEWS

HAVE you organized your Community Club yet? In the last few weeks several women have written in, announcing their intention of starting such a club and asking for a copy of the constitution and by-laws. Some are thoroughly organized and are now working on their community inventory.

What is a community inventory? It is an intensely interesting investigation which covers every phase and aspect of the neighborhood. It starts with the outside appearance of the community and proceeds through community spirit, citizenship, homes, health, recreation, schools, churches, to business. When the analysis is complete, you know your community as perhaps no other organization or individual knows it, and you have in the inventory a constant source of reference and a basis on which to



THE FARM HOME

A DEPARTMENT FOR WOMEN
Edited by MRS. ANNIE TAYLOR

DEAR FOLKS:—All around us we hear the excited questioning, "What is happening to family life?", "What is become of the old fashioned family?" Some cry that marriage is an outworn institution; others that parenthood should be abolished. And we throw up our hands aghast and exclaim, "What is the world coming to?"

It is true that family life is undergoing a serious change. Even on the farm we are beginning to feel that the family no longer pulls together as it used to. Each individual has his own interests and goes his own way without taking much into consideration the other members of the family unit. One seldom if ever now finds an entire family at home of an evening. Old fashioned visiting between families on Sunday has almost died out. Only Father and Mother participate now; the young folks go off by themselves seeking their own pleasure.

Individual interests are fine and should be encouraged, so likewise should each member of the family be allowed to express him or herself along their chosen lines. But there should also be connecting bonds of interest between the several members of the family besides those of sleeping under the same roof and eating at the same table. They should plan to have good times together, going in a body to the movies or other places of entertainment. Home should be a pleasant place in which every member has a share and an interest. They should be encouraged to bring their friends there instead of meeting them elsewhere. Each member should be given his share of privacy, which is every individual's right, without any encroachment.

If the family unit survives the storm that is assailing it now, it will be stronger than ever before, for it will be based entirely upon the bond of affection, and that is as it should be.

*Your Friend,
Mrs. Annie Taylor*

Address letters: Mrs. Annie Taylor, care The Business Farmer, Mt. Clemens, Michigan.

build your future programs of work, play, and progress. With it before you, you "know where to begin." Of course, we are glad to furnish clubs with copies of the inventory as well as the constitution and by-laws.

Already our club map shows organizations in Macomb, Kalamazoo, Huron, Emmett, and Dickinson counties. Happy, indeed, will be the day when there are several located in every county!

What To Eat

How many of your friends have "fussy" appetites? Do you know folks whom you are almost afraid to ask to your home for a meal because they "won't eat this or won't eat that?" A lot of people take pride in being hard to please where their food is concerned and in turning down one dish after another, when in reality they don't know what they're missing. Any normal, healthy person should be able what they're missing.

Faulty eating habits can almost invariably be traced back to childhood. Many a man or woman harbors an imaginary dislike for vegetables, just because as children they grew into the habit of not eating them so they could "save a place" for pie and cake.

Frequently, when a child is weaned and begins to eat he is allowed to eat everything. This is the wrong procedure. No child should be allowed to "eat everything" until after twelve years of age. When a child is growing and developing there are certain things he MUST eat, and if he eats sufficient quantities of these he

hasn't room for anymore, and his taste for the foods that are of no particular good to him should not be encouraged.

Here is a food schedule for children from 12 months to 24 months. In the following issues, we will print schedules for children of other ages.

6:00 to 7:00 a. m.—One cup milk. 9:00 a. m.—1 to 3 tablespoons orange juice. 10:00 a. m.—2 to 4 tablespoons, oatmeal, malt breakfast food, Farina, or Cream of Wheat. 1 to 2 cups of milk, part of which to be poured over cereal. One small slice of bread and butter—whole wheat or white bread, stale or toasted. Zwieback or graham crackers. 1:30 to 2:00 p. m.—Soup—one cup strained vegetable or broth (beef, mutton, chicken, or veal). 1 to 2 tablespoons of cereal or bread crumbs may be added. Or meat (after 18 months)—1 tablespoon scraped round steak, lamp chops (broil or cook dry in pan without grease or butter), chicken. Or a soft boiled, poached, or coddled egg two or three times a week. Potato—mashed or baked, one to two tablespoons, or rice, or macaroni. If meat is not given, beef juice may be put over potato (2 to 5 tablespoons), otherwise a little butter may be used. Green vegetables—1 to 2 tablespoons of spinach, carrots, stewed celery, beans, peas, asparagus, tomato, beets, squash, onions, lettuce, or cauliflower (flower portion); all well cooked and put through sieve or mashed, seasoned with small piece of butter and pinch of salt. One small slice of bread and butter. Dessert—1 to 2 tablespoons

—Junket, custard, cornstarch pudding, gelatin, cooked fruit (apple sauce, baked apple, stewed prunes, stewed dried peaches, or rhubarb). Water to drink. 5:30 to 6:00 p. m.—Milk, 1 to 2 cups. One small slice of bread and butter. 1 to 3 tablespoons cereal. 1 tablespoon cooked fruit. Do not let the child eat between meals.

Rhubarb Adds to Spring Meals

ONE way of curing the poor appetites that many persons have in the spring is to include rhubarb in their meals. Lucile Brewer, foods specialist at the New York State College of Home Economics says.

The stalks of rhubarb that are forced are tender and require little cooking. Sauce made from them lacks color, but has delicious flavor. Red skin on the stalks, however, is preferable because the sauce looks better when they are cooked. Rhubarb should be washed thoroughly and cut in pieces about one inch long before it is cooked. The skin should always be left on.

If the family likes rhubarb, it may be canned during the season when it is plentiful, either as sauce or as juice to be used in beverages, jellied desserts, and pudding sauces.

Rhubarb may be canned in either of two ways. Pieces may be packed in jars and the jars filled with a heavy hot sirup made of twice as much sugar as water. The sirup should be cooked until it threads. The rubbers and lids should be ad-

justed, but not sealed, and the jars should be sterilized for fifteen minutes on a rack in a covered pan of boiling water with the water at least one inch over the top of the jars. Seal the jars, remove them from the water, invert them on a cloth and allow them to cool. Canned rhubarb makes good sauce or filling for pies.

A richer sauce may be made by placing a layer of rhubarb one inch deep in the bottom of a jar, then a layer of sugar one-half an inch deep, and so on until the jar is filled, having a layer of sugar on top. Adjust the rubber and the lid and boil the jar in a water bath for twenty-five minutes. Seal the jar and remove it from the water; invert it and allow it to cool.

Rhubarb juice is made by covering small pieces with cold water and simmering them until they are soft. Strain the juice through a jelly bag; add one cupful of sugar to each quart; heat it until the sugar is dissolved; skim it and boil it five minutes. Then pour it into clean hot jars and seal them.

Klever Kiddies

My little nephew about five years old and his parents were at my home for a visit. His mother and I were singing a duet in which I sang alto. In my part the last word or two was repeated while the soprano held the note. After listening a while in silence, Duane went to his mother's side and whispered, "Mamma, don't sing quite so fast. Aunt Lillie can't keep up."—Mrs. O. S.

"We enjoy reading the various articles of interest, among which is Klever Kiddies. I have a little joke; it is as follows:

"A little boy was visiting our school during the time when quite a few children had chicken pox. His chin was covered with a rash, so the teacher asked, 'Johnny, have you the chicken pox?'"

Johnny answered, "No, we ain't got any chickens."—Miss G. S.

Folks at Our House Like—

Molasses Layer Cake.—1 cup molasses; 1 cup sugar; ½ cup cold water; 1 teaspoon soda; ½ cup butter; 1 cup flour; ½ teaspoon baking powder; pinch salt. Bake in two layers and put together with jelly or whipped cream.—Mrs. T. G.

Graham Crackers.—1 cup warm water; 1 teaspoon soda; 1 cup granulated sugar; 1 cup shortening; 1 teaspoon salt; 2 cups white flour (sifted); 4 cups graham flour (sifted). Mix these ingredients together well, pour onto well floured board and roll thin. Cut in squares and put in a quick oven.—Reader.

For the Movie Fan

Sorrell and Son.—(A United Artists Production). Poems, songs, and books by the carload have been written on the subject of mother love, but father love, in the drama of parental affection, has always seemed to play rather a minor role. Perhaps that is why this powerful portrayal of the love of a father for his son and of a son for his father "brings down the house."

Captain Stephen Sorrell, M. C. (played by H. B. Warner), at the close of the great war, found himself without a job, deserted by his wife, with a small son to provide for. In a war-weary world the task was not easy. But after years of struggle and indignity, his life is crowned by the success of his son (Nils Asther) who becomes one of England's most prominent surgeons. There comes a time when the son watching his father in the throes of an agonizing struggle with Death sees a way to perform for him a wonderful service in gratitude for the lifetime of service his father has rendered him. A fitting and beautiful act, but what a vast amount of love and courage it required. Lucky father to have such a son! Lucky son to have such a father!

Homespun Yarn

A lemon gives up much more of its juice if it is heated in hot water or in the oven before it is squeezed.

When the seat of a cane-chair begins to sag, wash both the top and under side of it with very hot soap suds and allow it to dry.

Favorite Songs

THE SHIP THAT NEVER RETURNED

On a sun-ripped day, when the wave was rippled
By the gentlest breeze,
Did a ship set sail, with cargo laden,
For a port beyond the seas;
There were sweet farewells—there were loving signals,
While a form was yet discern'd;
Though they knew it not, 'twas a solemn parting,
For the ship—she never returned.

Chorus:

Did she never return? She never return'd—
Her fate, it is yet unlearn'd;
The' for years and years there were fond ones watching,
Yet the ship—she never returned.

Said a feeble lad to his anxious mother,
"I must cross the wide, wide sea;
For they say, perchance, in a foreign climate
There is health and strength for me."
'Twas a gleam of hope in a maze of danger,
And her heart for her youngest yearn'd;
Yet she sent him forth with a smile and a blessing

On the ship that never returned.
'Only one more trip,' said a gallant sea-man,
As he kissed his weeping wife;
Only one more bag of the golden treasure,
And 'twill last us all through life.
Then I'll spend my days in my cosy cottage,
And enjoy the rest I've earn'd;
But, alas, poor man for he sail'd commander
Of the ship that never return'd.

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You can double the value of your wool and at the same time secure a pair of the famous CHATHAM BLANKETS. Our EXTRA PROFIT PLAN has helped and delighted thousands of other wool growers—it will open your eyes to new possibilities.

Full details regarding our various methods of exchange will be furnished free. Please send us this coupon today.

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Brooder Houses ☐ Hog Houses ☐ Mills ☐

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Tells about our sensational money saving offer; our low prices, free servicing and new models. Write for it TODAY.

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Box 261, Bainbridge, N. Y., or
Box 261, 1929 W. 43rd St., Chicago, Ill.

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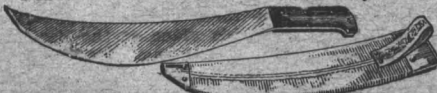
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ARMY MACHETE BOLO \$1.50



with 15 inch heavy blade, sharp edge, with tan scabbard \$1.50 POSTPAID. Illustrated catalog, 386 pages, issue 1927 at 50 cents; shows saddles, high power rifles, tents, coats, helmets, haversacks, etc. Special circular for 2c stamp. Established 1865. FRANCIS BANNERMAN SONS
301 Broadway New York City

WOMEN'S EXCHANGE

If you have something to exchange, we will print it FREE under this heading providing: First—it appeals to women and is a bonafide exchange, no cash involved. Second—it will go in three lines. Third—you are a paid-up subscriber to The Business Farmer and attach your address label from a recent issue to prove it. Exchange offers will be numbered and inserted in the order received as we have room. —MRS. ANNIE TAYLOR, Editor.

177.—Auto knitter, auto tent, double folding camp bed for mastodon plants, seed potatoes, bulbs.—J. L. Knight, Fruitport, Mich.

178.—Dahlias, 10 named colors, for peonies, iris, or chrysanthemum roots.—Mrs. B. F. Peters, R. 2, Saginaw, W. S., Mich.

179.—Gladiola and dahlia bulbs for guinea eggs.—Mrs. Richard Perkins, Harrisville, Mich.

180.—Auto knitter for Bourbon Red tom and two hens or good incubator.—Mrs. B. McGeorge, R. 4, Boyne City, Mich.

181.—Dark Blue-canton crepe dress, size 38, for 5 yards gingham.—Mrs. Vern Krull, Brant, Mich.

Aids to Good Dressing



6108.—A neat and attractive frock that will look well on almost any type of figure. Its simplicity of design suits it for general all-around wear. Suggested materials are wool georgette, printed flat crepe, linen, printed sateen, or gingham.

Cut in 7 sizes: 34, 36, 38, 40, 42, 44, and 46 in. bust measure. A 38 in. size requires 3 3/4 yds. of 39 in. material, with 1/2 yd. contrasting material.

6106.—For the mature figure this is a stylish, becoming model. Use of the "V" neckline will probably found to be more flattering where the wearer is stout. Wool crepe, satin-backed crepe, or voile may be used for this dress.

Cut in 8 sizes: 38, 40, 42, 44, 46, 48, 50, and 52 in. bust measure. A 46 in. size requires 4 1/2 yds. of 39 in. material, with 1/2 yd. contrasting material.

SHOPPER'S NOTEBOOK

The choker necklace is still in vogue, especially those made of large gilded wooden beads. Striped shirting makes very good looking sport dresses.

The newest slickers are cut exactly like an officer's trench coat.

For country wear sport clothes are the most appropriate and practical.

In establishing the color scheme for your spring wardrobe, choose your coat first, then buy hat, shoes, and dresses to match or contrast pleasingly. Never purchase an item of clothing without first taking into consideration the other garments with which it will be worn.

Horizontal lines in a dress make the figure look broader, while perpendicular lines tend to lengthen and slenderize.

**BE SURE TO GIVE SIZE
ALL PATTERNS 13c EACH—
2 FOR 25c POSTPAID**

ADD 10c FOR SPRING AND SUMMER 1928 FASHION BOOK

Order from this or former issues of The Business Farmer, giving number and sign your name and address plainly.

Address all orders for patterns to
**Pattern Department
THE BUSINESS FARMER
Mt. Clemens, Mich.**



MARRIED FIFTY YEARS

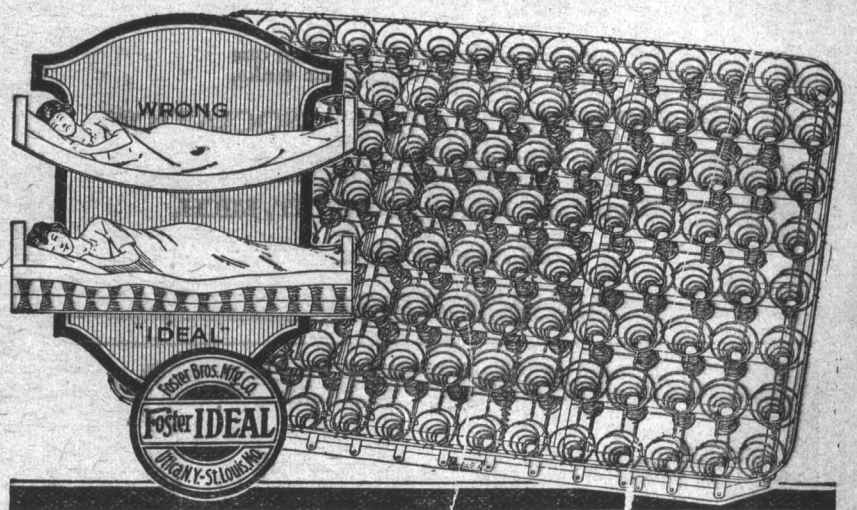
"My parents, Mr. and Mrs. D. H. Hallett, of Oakland county, who recently celebrated their fiftieth wedding anniversary," writes Mrs. G. W. Bailey, of Clare county. "They are both past 70."

There is no finer tonic than perfect, restful sleep

AND the best and most pleasant of A "spring" tonics is a FOSTER IDEAL SPRING. Get one and sleep on it! Let its 120 super-tempered spirals and its buoyant chain link top give your nerves a new sensation of relaxation and rest. Learn what perfect spine support really means. Get a true idea of IDEAL Comfort. But for your own safety and satisfaction be sure you get a genuine FOSTER IDEAL. Count the coils. Insist on the linked top construction and see the FOSTER TRADE-MARK on the side rail.

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UTICA, N. Y.

Western Factory, St. Louis, Mo.



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Solvay produces results the first year—and its good effects accumulate from year to year. Spread Solvay this year—it's high test, furnace dried, safe—will not burn.

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Protecting your drinking water against disease, the Concrete septic tank also guards your health.

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PLANS ARE FREE!

Complete instructions with plans for building a septic tank of concrete are free. Ask for them.

Also ask for your free copy of our booklet on concrete septic tanks.

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A national organization to improve and extend the uses of concrete

Dime Bank Building, DETROIT, MICH.

Concrete for Permanence

"Plant your corn, and forget about the crows"

Is the message that W. E. Tyler, of Dewittville, N. Y., sends us, and permits us to broadcast to the thousands of corn-growers all over the country. Mr. Tyler, like every other corn-grower, had been losing hill after hill of corn. Scare-crows nor shot-guns could keep his fields clear of the pests. And what the crows didn't spoil, the moles, squirrels and gophers got away with as fast as they could. What to do, what to do, what to do, was Mr. Tyler's daily worry. Every day it became necessary to replant, costing him valuable time and valuable seed-corn. Then he heard of

Stanley's Crow Repellent

Like most other corn-growers, Mr. Tyler didn't believe that anything could stop the awful waste caused by the pesky crows. But he was willing to try almost everything. So he sent for some Stanley's Crow Repellent. He coated his seed-corn with it, and planted it at once, as it is not necessary to wait for it to dry, nor does it clog the planter. And from that day, Mr. Tyler's worries over crows were over for good and all time. If you want to stop your worries too, then do as hundreds of corn-growers are doing. Large can, enough for 2 bu. of seed-corn (8 to 10 acres), \$1.50. Half size can, \$1.00. "Money Back" guarantee. If your hardware, drug or seed store doesn't have it in stock, then order direct. Address, Cedar Hill Formulae Co., Box 500 B, New Britain, Conn.



Seed coated with Stanley's Crow Repellent

WOOL

Send your wool to us and we will make your blankets, robes wool batts for quilts, pants, shirts, etc. Send for our free custom work folder. If you have no wool, send for our Direct to Consumer price list of our pure wool goods.

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Colors: Blue and Gold

Eathel Fay Sharp
President

Helen B. Kinnison
Vice-President

Uncle Ned
Secretary-Treasurer

DEAR BOYS AND GIRLS:—I am surprised at the boys because when the winners were chosen in our contest on automobiles not a one was in the list. Only three prizes were awarded as the contest closed with only three correct answers received and every one from a girl. Here I thought boys observed more about such things than girls.

The three "Mystery Prizes" given were: First Prize, a dresser set composed of a nice tray, comb, powder or hair box and a picture frame, all to match; Second Prize, a manicure set; and Third Prize was twin vases for flowers. I hear some of you boys saying, "Well, I am glad I didn't win 'cause I could not use any of those things, anyway." If one of you had won you would have received something that you would have liked I am sure.

First prize went to Eta M. Weaver, R. 3, Chesaning. Helen Brandbery, Reed City, won second and Cecelia Bodzick, Box 34, R. 1, Pellston, got third. The names of the automobiles were as follows: Cole, Moon, Hudson, Lincoln, Dodge, Ford, Studebaker, LaSalle, Franklin, Chrysler, and Essex.

Winners in "What's Wrong With This Picture?" contest have not been determined yet but will be in time for the next issue.

In the spring is a good time to have a contest about flowers so let's have one right away. In the following 10 sentences you will find the names of flowers—the name of one variety in each sentence. See if you can find them. The first four to send me a correct list will get the "Mystery Prizes" and the contest closes May 16th so be sure to mail your letter not later than that date. Here are the sentences:

1. In Japan syrup is seldom eaten on pancakes.
2. Did the negro see us as we passed the place?
3. Levi, Ole, Theodore and I went fishing yesterday.
4. I saw Eli lying on the sofa.
5. Is this car nationally known?
6. Ida is yearning to see her loved ones.
7. The horse ran faster than the dog.
8. "Mrs. Emdahl, I am the guilty one," I said.
9. The fir is a beautiful tree.
10. Fred and Eli once attended church here.

Are we having too many contests by putting one in each issue or shall we keep it up? What do you say?—UNCLE NED.

Our Boys and Girls

Dear Uncle Ned:—I am 12 years old and in the seventh grade. I just got through reading the Children's Page. I enjoy it very much. We have taken the M. B. F. for almost four years. The family enjoys it very much too.

I have a pet cat. She follows me all over. I have three brothers but no sisters. Their names are Robert, George and William whom we call Bill. I do wish I had a sister.

I go to school every day and have lots of fun. I hope that I will pass this year and then will be in the eighth grade.

Uncle Ned, every time the M. B. F. comes I look for the Children's Hour page and I always read the riddles, tongue twisters, favorite songs and most generally the "Song of the Lazy Farmer." His hair seems to be quite gray. Don't you think it is?

After I get through the eighth grade I would like to go to high school. I think I will if my chum, Evelyn Breithaupt, does. Evelyn and I are sure great pals. We go to school together every morning. We have been together now for almost seven years. Well, I have another good

friend whose name is Lucille Watkoski, but Evelyn and I are together the most. Grace Hunt, another school friend, is very good to me too. All of the girls in my class are.—Emma Kork, Traverse City, Mich.

—I am sure there is a reason for all of the girls being good to you. You must be a very good girl and true friend because that is what causes people to like girls—and the same holds true for the boys, except they must be good boys, not "girls." Be sure to get all the education you can, Emma, because you will find it very useful when you get older. An uneducated person does not have much of a chance in life nowadays, do they?

Dear Uncle Ned:—Have you room for one more? I would like to join your circle. I will describe myself. I am 14 year old, weigh 88 pounds, have blue eyes, brown hair, am 4 feet 11 inches tall, and am in the fifth grade. I go two miles to school. I like it on our farm. There are eighty acres of it. The Pure Oil company is going to drill for oil here. —Frank J. Kenison, R. 4, Millington, Mich.

—Sure there is room for one more in Our Circle. It is never full. I hope they find oil on your farm so you can have lots of money.

Dear Uncle Ned:—I read M. B. F. but it is hard to get the paper after Daddy once gets it. He reads everything. I am ten years old.—John L. Bosma, R. 1, Newago, Mich.

—Can't you get the paper before Daddy gets through working in the fields or while he is doing the chores? I am glad all of

ATTENTION, CLARA!

I HAVE a short note from Helen B. Kinnison, of Kalkaska, in which she writes, "If the girl whose first name is Clara will please write to me again I will answer." I lost her address. Now, Clara, if you want to hear from Helen you will drop her a line.—Uncle Ned.

you like M. B. F. and I know that all the rest of the folks who have anything to do with the getting together of this farm paper also appreciate this interest. Next time, John, make your letter a little longer—or do you prefer to write short letters often rather than long letters seldom?

Riddles

- How would you make a Maltese cross? Pull its tail.
What goes around a button (buttn')? A bill goat.
How was iron first discovered? They smelt it.
What is an invisible blue? A policeman when you want one.
What bus found room for most people? Columbus.
Why don't bachelors like the capitol of Ireland? Because they don't go in for doublin' (Dublin).—Clarence Dutrich, R. 1, Box 150, Bark River, Mich.

Tongue Twisters

A high shouldered soldier took a short shouldered soldier by the shoulder. Said the short shouldered soldier to the high shouldered soldier, "Do not take me by the shoulder, high shouldered soldier." I made that up at school one day between classes.—Sophia Beedy, Raber, Mich.

Jokes

COULDN'T DO IT
Lady: "A strong man like you ought not to beg. Why don't you look around for work?"
Hobo: "I can't look around lady, I gotta stiff neck.—Cecil Hawkins, R. 1, Colling, Mich.

A Game to Play

OVERHEAD RELAY
THIS game may be played with ten to a hundred players. Either balls or bean bags may be used, and the players stand in two or more files containing an equal number of players. The game is a passing relay, the files competing against each other. The leaders of each file have a ball or bean bag. At a signal, this is passed back over the heads of the players until it reaches the last one in the line. He then runs forward and takes his place at the head of the line, which moves back one place to give him room. At once he passes the ball backward overhead. This continues until the original leader, who has been gradually backing to the rear of the line, reaches the front again, carrying the ball. The line wins whose leader first accomplishes this.



Alert!

Conducted By
ROBERT J. MCCOLGAN
Business Manager Protective Service Bureau

MR. GEORGE M. STREETER, R. F. D. No. 5, Jackson, gets one of our \$50 rewards this week. Mr. Streeter had been missing chickens for several weeks and quite naturally he was getting tired of it, so he decided to investigate. The last time the thieves visited Mr. Streeter's farm, they left some snow tracks and, Kenneth, Mr. Streeter's son and a boy friend of Kenneth's, Earl Pool, tracked the thieves to the Masonic Country Club where a negro custodian was living during the winter. An officer was called and of course the negro denied his guilt. An investigation followed and fresh chicken feathers were found in an out-building. When the officer confronted the colored gentleman with this evidence, he was arrested and later the man, Hugh Ellis, confessed the crime. The chickens were found nicely dressed in the ice box all ready to be cooked. Judge Wiggins of Justice Court gave Ellis 90 days in the county jail. The case is an outstanding example of team-work; real action on the part of the farmer, effective work by the Sheriff's department, and quick justice in court. If we could always get this kind of co-operation, rural thieves in Michigan would soon have to stop their activity. Thanks, Mr. Streeter, for your good work in giving the clue that landed another thief in jail.

Sometimes folks say we don't answer letters. If you could see our efficient office force pounding out thousands of letters to our readers, we know you would have to agree that if a letter is never answered, it's through no fault of ours. Often times we receive letters with no post-mark, or date and when we are unable to make out the Post Office from the post-mark on the envelope, we are at a loss to know from where the letter is written. With over a 100,-

THANKS FOR CHECK
DEAR M. B. F.:—I wish to express my thanks for the fifty dollars I received for the capture of five poultry thieves who shot my turkeys. You can bet all of Mecosta county is boosting for The Michigan Business Farmer. We will never be without it in our home for it is a wonderful help to all. Thanking you again I remain ever ready to help M. B. F. and everyone needing help in ridding the county of thieves.
—Mrs. Wesley Taylor, Rodney, Mich.

000 friends, it's impossible for us to locate you if we have only your name. Please be careful and give us your complete address when writing, then we will guarantee that you will get a prompt reply from us.

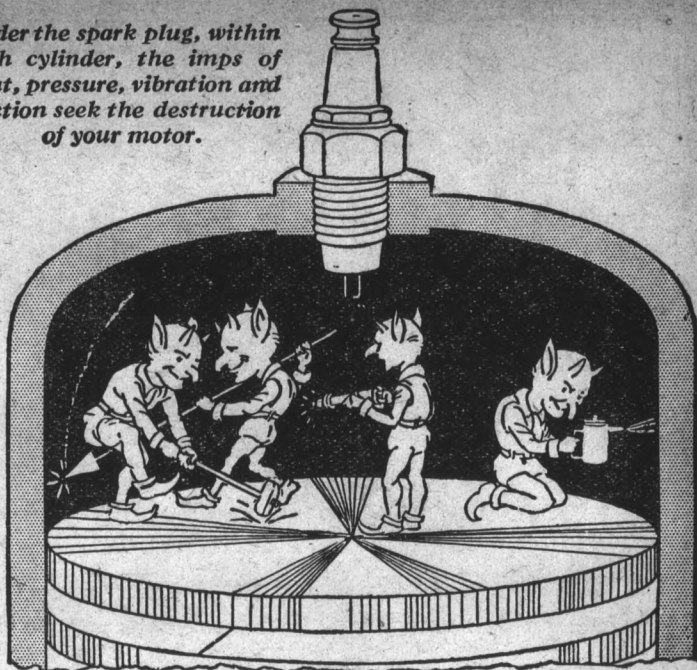
In line with what we have just said, will the following readers who have signed our Minute Men pledge give us the address from whence they came so that we may mail you an official application card: Frank Butkovich, Chas. A. Millington, P. J. Thielen, and Clarence Hazleton.

Over fifteen hundred men have signed up for the Minute Men, and every mail brings us many additional applications. Will you please be kind and not expect too prompt a reply to your application? We never dreamed that this movement would go so fast and already our clerical help is overtaxed, so there will be some unavoidable delays. If you have not already signed up for the Minute Men, do so at once! Use the application blank to be found elsewhere in this issue. Help organize your township into a solid unit and then watch Mr. Rural Thief pass up your locality.

The Minute Men Emblems—an attractive blue and gold button—have just arrived. They are beauties and you will be proud to wear one. Every member gets one. Ten cents registration fee makes you a member and there are no dues for the first year, M. B. F. carrying the expense to unite the farmers into a solid group with but one purpose—driving rural thieves out of Michigan. Join hands with your friends and neighbors through the Minute Men—a 100% farmers' organization!

133 Times a Second

Under the spark plug, within each cylinder, the imps of heat, pressure, vibration and friction seek the destruction of your motor.



Every time the motor in your tractor turns, four pistons slide the length of the cylinder wall twice—metal against metal except for the protecting film of oil.

At even a thousand revolutions per minute, this is 8000 strokes per minute—133 per second; and with your car engine, this may be quadrupled or more.

Add to this the sledge hammer blows of two thousand explosions per minute, and the terrific heat inside the cylinder walls, and you have some idea of what a motor oil must stand.

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M.B.F. 7

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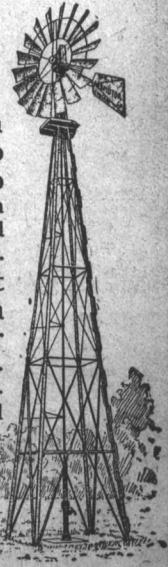
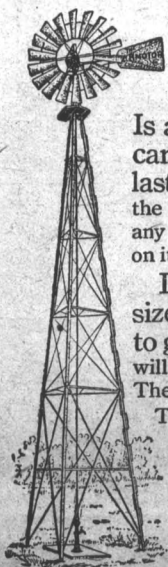
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7 Improvements

- 1 Beautiful gold and black finish.
- 2 Completely enclosed gears.
- 3 Improved regulating cover.
- 4 New turnable supply can.
- 5 Easier starting and turning.
- 6 New oil window.
- 7 Wonderful floating bowl.



De Laval Golden 50th Series

THESE "50th Anniversary" De Laval Separators are without doubt the finest cream separators ever made—the crowning achievement in 50 years of separator manufacture and leadership. Following are the improved features:

Golden Color. These new 1928 machines are finished in beautiful gold and black colors, which are pleasing, durable and practical.

Enclosed Gears. All gears on the "Golden Series" are completely enclosed and protected for maximum durability.

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Oil Window. Shows at a glance the amount and condition of the oil and if the separator is being properly oiled.

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Advertisements inserted under this heading for reputable breeders of Live Stock at special low rates to encourage the growing of pure-breds on the farms of our readers. Our advertising rate is Thirty Cents (30c) per square line per insertion. Fourteen square lines to the column inch or \$4.20 per inch, less 2% for cash if sent with order or paid on or before the 10th of month following date of insertion. SEND IN YOUR AD AND WE WILL PUT IT IN TYPE FREE, so you can see how many lines it will fill. Address all letters, BREEDERS DIRECTORY, MICHIGAN BUSINESS FARMER, MT. CLEMENS, MICH.

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MICHIGAN GUERNSEY BREEDERS' ASSOCIATION

East Lansing, Michigan — Friday — May 25, 1928
Mich. State College Livestock Pavilion—12:30 P. M. E. S. T.

In the offering are 20 A. R. and C. T. A. record cows (all fresh or springing), 30 in-calf heifers (bred for summer and early fall freshening), 10 heifer calves, and 4 young bulls. All of the usual high standard of

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DAIRY AND LIVESTOCK

(We invite you to contribute your experience in raising livestock to this department. Questions cheerfully answered.)

PREDICTS HORSE SHORTAGE

A DROP of 35 per cent in the horse population of the United States will come in 15 years if the 1927 foaling rate continues," asserts Ellis McFarland, Secretary of the Percheron Society of America. His prediction is based on a study of the horse situation, particularly foaling statistics for last year.

"In 1919 there were 91 colts foaled per 1,000 horses and mules on farms and ranges, and in 1927 the number had dwindled to 42.4," Mr. McFarland points out. "That tells the story. If every colt foaled should live it would take 23.5 years to replace our present supply of farm horses. Considering the average life of a horse at 15 years, a fair estimate, the investigator will realize that during each 15 year period a new supply of horses must be bred.

"At the rate of 42.4 per 1,000 only 636 horses will be bred in 15 years for every thousand now in the United States. That is a shortage of 364

er for the year will be selected at the close of the contest.

Ton Litter Contests have been going on in Michigan for the past five years. The number of ton litters produced in the contest has increased from 16 in 1923 to 36 last year. The average weight per ton litter has also increased each year, being 2269 in 1924, 2417 in 1925, 2428 in 1926 and 2652 in 1927. Only a few men have produced two ton litters but last year Findlay Brothers of Vassar produced three ton litters on the one farm.

The best part of these contests is that you win even if you lose. The more attention and better feeding that you give the litter the more profit you make on them. Most of the men entered in previous contests have found that comparison between their own methods used by more successful men has been more than worth while in helping them to reduce their cost of producing pork.

The Ton Litter Contest and Pig Crop Contest are sponsored by the Michigan Swine Breeders' Association and supervised by the Extension Division of the Animal Husbandry Department of Michigan State College. If you wish to enter either contest get in touch with your County Agricultural Agent at once or write to the Animal Husbandry Department, Michigan State College, East Lansing, Michigan. Entries will be received until June 1 for men with April and May litters but you must enroll at once to be eligible with earlier litters.

INTERNATIONAL BOOK READY

ANY of our folks interested in getting a story of of the 1927 International held at Chicago can now do so by sending \$1 to Mr. B. H. Heide, secretary-manager, International Live Stock Exposition, Union Stock Yards, Chicago, Illinois, and requesting a copy of the "Review and Album of the 1927 International." This very interesting and attractive cloth-bound book costs them more than \$2 per volume to publish so it is a real bargain at the price quoted. The supply is limited so order early if you want one.

MORE LAMB RECORDS

DEAR EDITOR:—In reading over THE BUSINESS FARMER's reports on lambs, I think I have a record that is hard to beat. One of our Shropshires gave birth to four lambs. The mother disowned one so we raised it on a bottle and named it "E. Pluribus Unum" (one out many) and call it "Bus" for short.

Have saved and raised 39 lambs from 24 ewes. Also have four sets of living triplets that weigh from 20 to 45 pounds apiece.—Duane P. Crittenden, Washtenaw County.

DEAR EDITOR:—I cannot beat the 19 pound lamb but I had a ewe that gave birth to twin lambs, a buck and a ewe, on April 3rd that weighed 25 pounds on that day. One weighed 14½ pounds and the other 10½.—T. T. Williams, Eaton County.

DEAR EDITOR:—There was a pair of twin lambs born on my farm April 6th this year weighing 25½ pounds the day they were born; buck weighed 13 pounds and the ewe 12½.—W. J. Armstrong, Iosco County.

Are there any more records we should publish? If there are, let's have them.—Editor.

CAN YOU BEAT THESE RECORDS?

LETTERS on heavy lambs have been quite numerous during the last month and all of them have been most interesting. Now we have one from C. E. Whitaker, of Clinton county, who states that he has no "lamb story" but a "calf story" and he proceeds to tell us that one of his grade cows gave birth to twin calves last fall and each one weighed 80 pounds at birth. He sold them when they were five weeks old and one weighed 170 pounds while the other tipped the scales at 180. He wants to know who can beat that. So do we.

And here is another record to shoot at. The press reports a heifer calf born on an Iowa farm recently that stood 15 inches high and weighed 12 pounds at birth. Who can beat or come near either of these records?—Editor

Veterinary Department

Edited by DR. GEO. H. CONN
(Questions gladly answered free for paid-up subscribers. You receive a personal letter.)

NERVOUS HORSE

I have a mare I recently purchased that is very nervous. She is 14 years old and a splendid animal and worker, but for the nervousness. If I try to hold her down to a walk she dances and if I hold too tight will go straight up in the air. Is there anything I can put in her feed that would soothe and quieten her nerves? She weighs about 1,200 pounds.—M. G., Clio, Mich.

If this mare belonged to me, I would work her on a jockey stick and tie her back to the other horse and put the lines only on the other horse. It might be that a few weeks of this treatment would teach this

PIGS HAVE EXTRA LEG OR TWO

FROM England comes a report of a sow farrowing three pigs, each with an abnormal number of feet. One has six feet and the other two five feet each. Otherwise the pigs are normal and healthy.

mare to walk more slowly and to not fuss so much while you are working her. If you could work her with another horse that was a fairly fast walker, it would make a much better team for you. There is nothing you could feed this mare that would do any good.

LEAKS MILK

I have a pure bred young Holstein cow, she had her first calf last spring, and during the last few weeks she has been leaking her milk. What can be done for this?—G. V., Hillman, Mich.

I DO not know of anything that can be done for a cow that leaks her milk except to milk her more often. There has been some treatments recommended, but none of them ever was satisfactory. This is due to a weakness of the muscles of the teat, and there is nothing that can be done to strengthen them. If she leaks her milk too badly, the only thing you can do is to dispose of her.

GRUBS

I have a yearling heifer calf that has small bunches on her back. She is doing well and seems to be in good health. Can you tell me what this may be, the cause and the remedy?—J. H., Newago, Mich.

I THINK this must be warbles or grubs that this calf has; when a scab forms on them remove it and take a small oil can and force a small amount of gasoline or kerosene in the opening; this will kill them.

MOON BLINDNESS

I have a horse about 12 years old and a very good worker, but she appears to be going blind. Some time ago I noticed her eyes running and then at the nostrils, but it cleared up so soon that I did nothing for her. Both eyes look normal color. She seems to be sound and healthy otherwise.—E. S., Carleton, Mich.

MY opinion is that you will simply be wasting time and money both to attempt to treat this horse's eyes, because this is no doubt moon blindness or periodic ophthalmia which is incurable. These cases will clear up for a while, sometimes for many months, but the disease will recur and eventually the animal goes blind. Sorry that I cannot give you some helpful information for this animal.

HEIFER KICKS

Can you tell me how to break a heifer from kicking? She is just fresh and would like to break her to be gentle.—F. F., St. Louis, Mich.

THE only thing I know of that you might do is to tie her hind legs together just above the hocks while you milk her; sometimes this gets them over the habit; some of them never get over it. So the only thing to do is to try it for a while and see if it works.



THIS PICTURE WAS TAKEN

at Danville, Indiana, one day in February.

It shows two carloads of the New McCormick-Deering Cream Separators. Six motor trucks have been safely loaded with the beautiful new machines with their glossy japanned finish and full ball-bearing equipment, ready to start out to nearby farms and towns. Snow and sleet hampered the work but it could not dampen the enthusiasm.

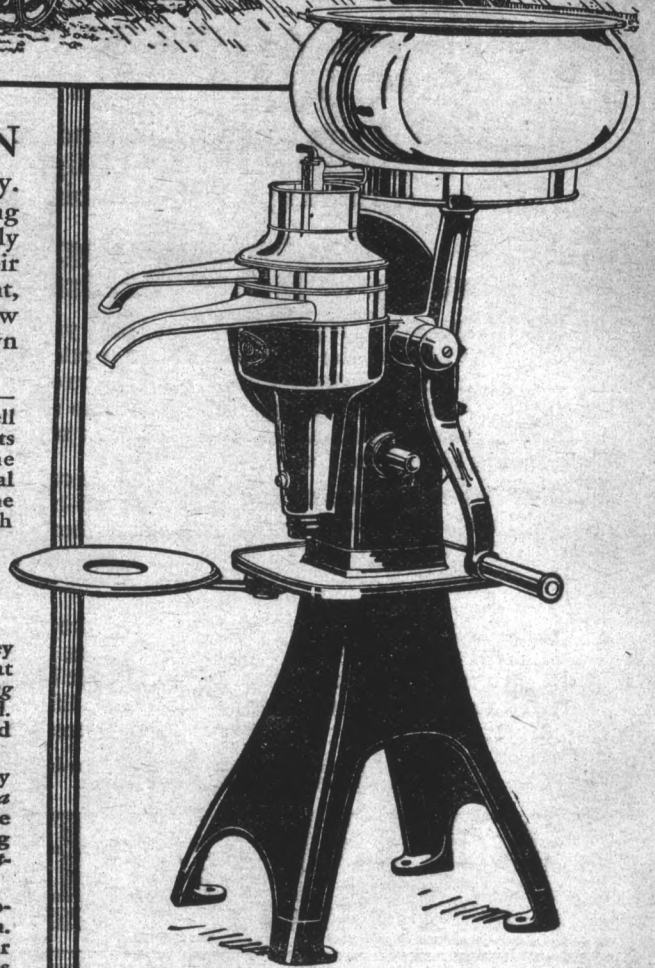
It is that way all around the country. Whole communities—merchants, bankers, editors, Chambers of Commerce, as well as farmers—have welcomed the new cream separator and its constructive effect on dairying. Big-scale deliveries like the above have taken place at scores of points—west, east, central and south. The New McCormick-Deering is going out to the farmers in carload quantities—up to 150 machines in each freight car—in every dairying section. Everywhere the enthusiasm for the machine is being passed on by the new owners.

WE knew farmers would like this new separator—and they do. It is very easy to understand when you realize what the New McCormick-Deering offers. It is the ball-bearing separator—the easiest-running cream separator in the world. Every one of the six sizes has ball bearings at all high-speed points. It makes a hit with everybody who turns it!

An outstanding most vital feature of this machine is its ability to separate milk at a wide range of temperature and down to a surprisingly low degree. Milk may be skimmed with absolute assurance of maximum butter fat recovery. McCormick-Deering design challenges every test and comparison in close skimming, whatever the conditions.

Slow crank speed. Japanned finish. New bowl design. Automatic lubrication. Visual oil gauge. New revolving supply can. Perfected outside faucet. New easily cleaned frame. New gear design. Steel, rounded-edge, rust-proof tinware. Six capacities—from 350 to 1500 lbs. per hour—for one cow or a hundred.

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To avoid conflicting dates we will without cost, list the date of any live stock sale in Michigan. If you are considering a sale advise us at once and we will claim the date for you. Address Live Stock Editor, M. B. F., M. Clemens.

May 22.—Holsteins—Mich. Holstein-Friesian Ass'n., J. G. Hays, Sec'y, East Lansing, Mich.
May 23.—Holsteins—J. E. Burroughs, Flint, Mich.
May 25.—Guernseys—Michigan Guernsey Breeders' Ass'n., W. D. Burrington, Sec'y, East Lansing, Mich.

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2 Herd Sires 10 Sired Heifers
2 Young Bulls 15 Yearling Heifers
41 Cows in Milk 12 Heifer Calves
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Heavy producers and good types results of fifteen years of breeding Holsteins.
J. E. BURROUGHS, FLINT, MICH.
Eight miles south on Fenton Road, one mile west on Cook Road.

FOR SALE—7 REG. HOLSTEIN FEMALES—from 2 to 5 years old—all due first week in June. 1 yearling Bull.
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GUERNSEYS

FOR SALE—REG. GUERNSEY BULL CALF six months old. Bon Ayre breeding. Or would trade for Guernsey heifer calf.
M. SKELTON, Auburn, Michigan.

JERSEYS

REG. JERSEYS: 3 BULLS
First dropped last October. Dam producing 540 lbs. fat. Second, dropped last November. Dam producing 500 lbs. fat. Third, dropped last October. Dam producing 399.4 lbs. fat at 2 years. Good type. Light color. Two heifers due in September and November all from high class bulls.
GUY C. WILBUR, BELDING, MICH.

HEREFORD

HEREFORD STEERS FOR SALE
84 average 450 127 average 540
98 average 660 80 Shorthorns average 750
3 cars tested cows and heifers.
JOHN CARROW :: OTTUMWA, IOWA

BROWN SWISS

BUY YOUR BROWN SWISS NOW. WRITE FOR sales list to, Michigan Brown Swiss Breeders' Ass'n., Sebawaing, Michigan.

SHORTHORNS

FOR SALE POLLED SHORTHORNS, BOTH SEX of herd heading merit. We know that you will be pleased with what we have. Prices reasonable, and we stand squarely behind any guarantee we make. Herd headed by Royal Peer No. 21473 and Meadow Marshall No. 1351876.
BRANCH CO. FARM,
Geo. E. Burdick, Mgr. Coldwater, Michigan

Two Registered Milking Shorthorn Cows, Just fresh, and one heifer 14 months old. Prices: \$125, \$150, \$175. R. G. Palmer, Belding, Mich.

LIVE STOCK ADS CONTINUED ON PAGE 31

A BULL CALF FOR SALE

Born June 11, 1927

A son of Prince Echo Rauwerd who has 23 A. R. daughters, twenty of which have produced as immature cows from 20 to 31 lbs. butter in 7 days.

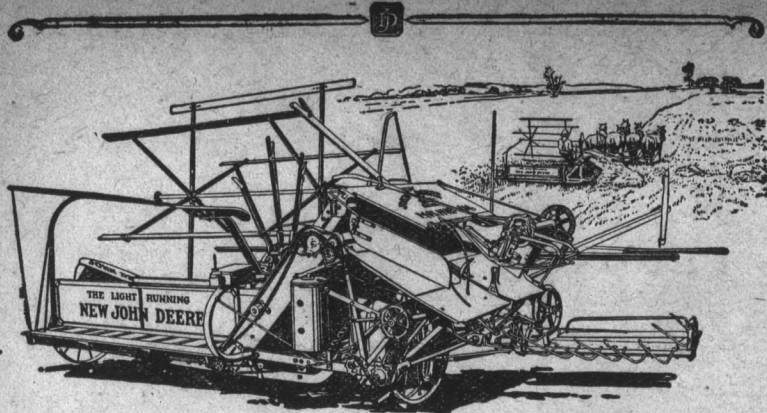
His dam produced 622 lbs. butter in 305 days, and 27.3 lbs. in 7 days. She is a daughter of a 31-lb. cow with 989 lbs. butter in a year and is sired by Echo Sylvia King Model.

Write for Pedigree

BUREAU OF ANIMAL INDUSTRY

J. E. Burnett, Director

Lansing, Michigan



Ask Any Owner About Its Lighter Draft

BEFORE you buy a grain binder, ask any owner if he has found lighter draft, smoother running and better binding in his

Light Running New John Deere Grain Binder

You will get a reply that will start you on the road to your John Deere dealer's store. You, too, will want to be ready for the harvest with a Light-Running New John Deere.

Wide bull wheel with wide, high lugs; improved cutter bar that does not bind; better lubrication; easy running, gear-controlled reel; flexible-capacity elevators; smooth-working binder attachment—all of these help to make the John Deere a lighter-running, satisfactory binder.

When you see the John Deere, notice its facilities for oiling. You can oil it thoroughly with an ordinary oil can in just a few minutes.

In thin or heavy crops this improved binder handles the grain without waste and without clogging. It's famous for its uniformly good work.

Give the John Deere your harvesting job this year. You will like it better each year of its long life. See it at your John Deere dealer's now.

Write for free folder describing it—address John Deere, Moline, Illinois, and ask for folder AB-733.

JOHN DEERE

THE TRADE MARK OF QUALITY MADE FAMOUS BY GOOD IMPLEMENTS

Pioneer Leghorns PURE BARRON STRAIN

These big rugged Leghorns are well adapted for heavy egg production. Our catalog shows pedigrees of our pen imported direct from England. The males in this pen were out of a 298 egg pen that layed eggs weighing 30 ounces to the dozen and were sired by a 301 egg male. The females records range from 259 to 271. Many males direct from this pen now head our matings.

REDUCED PRICES —A— Grade

For Week of May 21.....	\$10.00 per 100	OUR AA Grade is 1c per chick higher.
For Week of May 28.....	9.00 per 100	
Month of June.....	8.00 per 100	

You can order direct from this ad. We will ship C. O. D. on receipt of small deposit. 100% live delivery guaranteed. All stock Michigan Accredited.

Pioneer Poultry Farm R. R. 10, Box 11 Holland, Michigan

WHY pay high prices for small Leghorns buy just ordinary Leghorns—

When you can buy Chicks from our large English Type S. C. White Leghorns—these cold climate egg producers for these low prices.

March and April	May	June
100 \$11.00	100 \$10.00	100 \$ 9.00
500 50.00	500 45.00	500 40.00
1000 95.00	1000 85.00	1000 75.00

Place your order now and be assured of delivery when you want it. Any deposit books your order. 100% live and satisfactory delivery guaranteed. Circular Free.

City Limits Hatchery, P. Rezelman, Prop., Holland, Mich.



DILIGENT CHICKS DID IT

And will do it for you

Still a few Folders left, ask for one and read the unsolicited testimonials from our customers who have done well with DILIGENT Chicks. One farmer in our neighborhood who keeps about 400 DILIGENT hens received a check of \$56.10 for eggs laid in one week from April 21 up to April 28. Ten week old Pullets \$85.00 per hundred.

Postpaid Prices on Chicks	50	100	200	500
S. C. White Leghorns	\$4.25	\$8.00	\$15.50	\$37.50
Barred Plymouth Rocks	5.25	10.00	19.50	47.50
S. C. Rhode Island Reds	5.25	10.00	19.50	47.50
Mixed Chicks (All heavy)	4.75	9.00	17.50	42.50
Mixed Chicks (Light)	3.75	7.00	13.50	32.50

DILIGENT HATCHERY & POULTRY FARM
Harm J. Knoll, Owner R. R. No. 4 Holland, Mich.

CHICKS AT REDUCED PRICES

STRONG, STURDY, PURE BRED CHICKS FOR IMMEDIATE DELIVERY

	50	100	500	1000
S. C. White Leghorns	\$5.00	\$ 9.00	\$42.50	\$ 80.00
S. C. Brown Leghorns and S. C. Anconas	5.50	10.00	47.50	95.00
Barred Rocks and R. I. Reds	6.00	11.00	52.50	100.00
Mixed Chicks for Broilers	4.00	7.00	35.00	70.00

MAY Delivery. 1c Per Chick Less Than Above Prices.

JUNE Delivery. 2c per Chick Less Than Above Price.

Shipped Postpaid to your door. 100% Live Delivery Guaranteed. Order direct from this ad. We have no Catalog or Circular.

BLACK RIVER POULTRY FARM Box B ZEELAND, MICHIGAN



NEW VARIETY OF CORN

A new variety of corn called Jewett Yellow Flint has been registered and certified by the Michigan Crop Improvement Ass'n for the first time this year. It was developed at the Jewett Farms, in Ingham county.

BROADSCOPE FARM NEWS AND VIEWS

(Continued from Page 8)

the field to corn and use considerable fertilizer; we will have more corn out than we had expected and we also have more oat land than we had planned on. We have just finished sowing forty acres of them. With good oat straw and corn fodder one can get through a winter if he has to. About hay substitutes, I know of none better than oats and clover; many wheat fields will be plowed up and sown to oats and barley. We believe we will leave our wheat as it is, it will be a very small crop but I am sure this will be in favor of the clover and grass seed we are sowing on these fields. Looks like what wheat we do get will be worth something.

Farm Relief

I have been wondering what would have happened if the much lauded McNary-Haugen Bill had been in effect last fall. There was said to be a surplus of wheat. Suppose the \$10,000 a year bunch of "surplus committee men" had taken half of it and sold it to Europe for what it would have brought and thereby caused a higher price here on what was left, what would be the prospect for America this year with the wheat condition as it is all over the nation? I have sometimes, nay many times, wondered who would be the men "chosen" to compose this "committee" which would declare when "surplus crops" existed. I don't believe there are many men who are quite wise enough for that committee. Most any one can tell when what is known as the corn belt, has a big crop of corn. But the "corn belt"

LOTS OF ADVICE

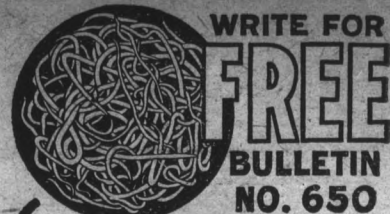
DEAR EDITOR:—We sure do like the Michigan Business Farmer. We have only taken it a short time and are not sorry that we signed for it. It sure gives us a lot of good advice in many things, also a lot of good things to read. We hope it will keep on coming.—E. K. DEWITT, Mich.

is a small part of the U. S. A. The farmers of the U. S. who buy corn are many times the number who grow corn to sell. The same with wheat, cotton, etc. A guarantee there will be a high price for a crop is certain to result in a larger crop by increased acreage and care. The uncertainty of crop prices is the only thing that keeps a surplus from being a reality every year.

A man asked me the other day if I didn't think there was a "farm problem." Yes, I think there is. I don't think so because the "Bankers Associations" say there is. Farmers should not let bankers do all their thinking and planning.

"If there is a farm problem, what is it's remedy?" was the next question. Well it certainly is not the McNary-Haugen Bill as I see it. The more I study this Proposed McNary-Haugen legislation the more I think the President was right when he vetoed it a year ago and I believe another veto will be forthcoming this year.

Minnesota, Wisconsin, Iowa, California and Michigan—five states—produce 84 per cent of the butter manufactured cooperatively in the United States.



WRITE FOR
FREE
BULLETIN
NO. 650

Telling about

NEMA WORM CAPSULES

(Chemically-tested Tetrachlorethylene)

For Killing
Roundworms, Hookworms
and Stomach Worms

in
Hogs, Sheep, Goats,
Poultry, Dogs and Foxes

Safe and Sure
Quick Action—No Losses
Inexpensive

Nema Capsules at your Drug Store
Nema Booklet sent free by

ANIMAL INDUSTRY DEPT. OF
PARKE, DAVIS & CO.
DETROIT, MICH., U. S. A.
CANADA, WALKERVILLE, ONT.

Here's the Way to Heal Rupture

A Marvelous Self-Home-Treatment
That Anyone Can Use on Any
Rupture, Large or Small

COSTS NOTHING TO TRY

There is no longer any doubt but what the plan used by Capt. Collings is the only way to completely heal rupture without any operation.

And it costs you nothing to try it. If you are ruptured, no matter how bad or how long, send your name and address to Capt. W. A. Collings, Inc., 133R Collings Bldg., Watertown, N. Y., and try free the wonderful invention that healed him of the worst two ruptures you ever heard of. He threw away his truss; never had to wear it again. His two large ruptures, that had kept him bedridden for years, were both held naturally by his own muscles without support of any kind. It was a marvelous cure of rupture, and you can have a free trial of his wonderful home treatment by merely sending name and address, no charge whatever. Don't fail to send for this free trial. It is certainly wonderful.—(Adv.)

BURSAL ENLARGEMENTS

Absorbine reduces thickened, swollen tissues, curbs, filled tendons, soreness from bruises or strains. Stops spavin lameness. Does not blister, remove hair or lay up horse. \$2.50 at druggists, or postpaid. Valuable horse book 1-S free. Write for it today. Read this: "Horse had large swelling just below knee. Now gone; has not re-appeared. Horse good as ever. Have used Absorbine for years with great success."

ABSORBINE
TRADE MARK REG. U. S. PAT. OFF.
W. F. YOUNG, Inc. 369 Lyman St., Springfield, Mass.

AT YOUR SERVICE We are here to serve you to the best of our ability and we welcome your questions on all subjects. Answers are sent by first class mail.

The Business Farmer, Mt. Clemens, Mich.

Stop Using a Truss

STUART'S ADHESIF PLAPAO-PADS are entirely different from trusses—being mechanical-chemical applicators—made self-adhesive purposely to keep the muscle-nerve "PLAPAO" continuously applied to the affected parts, and to minimize painful friction and danger of slipping.

No straps, buckles or springs attached. Soft as velvet—easy to apply—inexpensive.



For almost a quarter of a century satisfied thousands report success without delay from work. Stacks of sworn statements on file. Process of recovery natural, so no subsequent use for a truss. Awarded Gold Medal and Grand Prix. Trial of "PLAPAO" will be sent you absolutely No charge for it now or ever. Write name on coupon and send TODAY.

Plapao Co., 299 Stuart Bldg., St. Louis, Mo.

Name.....

Address.....

Free—Trial Plapao—Free

The Experience Pool

Bring your everyday problems in and get the experience of other farmers. Questions addressed to this department are published here and answered by you, our readers, who are graduates of the School of Hard Knocks and who have their diplomas from the College of Experience. If you don't want our editor's advice or an expert's advice, but just plain, everyday business farmers' advice, send in your question here. If you can answer the other fellow's question, please do so he may answer one of yours some day! Address Experience Pool, care The Business Farmer, Mt. Clemens, Mich.

SOY BEANS

DEAR EDITOR:—It has been truly said, by Pope I believe, that, "Fools go where angels fear to tread," and I have tried to keep out of "print" lest I be pointed out as a "horrible example," but a brother has asked about soy beans and as I am quite a "nut" on the subject and have had considerable experience with them here goes.

In my old home in southern Louisiana and Mississippi it is about the only hay to be depended upon except cowpeas, which are very similar.

When I moved to Michigan I brought some soy bean seeds along and put them out very nicely but learned to my sorrow later they were almost unknown here and had to be inoculated for the first crop, so mine just naturally petered out that year.

The next year I procured more seed and a couple of bottles of dope from the county agent and have always been able to grow from two to four tons of fine hay per acre on just medium land.

The first crop I saved part of for seed and we threshed them with an "Armstrong thresher" which you tell em' is some job.

The bean itself is one of the strongest feeds there is ground with corn or oats and I once raised a ton litter by their help which is another story and that without milk.

However the main use of soy beans as yet here, is to supplement a short hay crop. If your seeding looks bum figure on a patch of soy bean hay and the destruction of the cornfodder by the corn borer will lose lots of its terrors.

Green soy bean hay put in the silo along with the silo corn will be a very valuable addition.

A very good feature of raising soy beans is you get the hay the same year you seed it and another is you can put them out if you need be in the few days lull between corn planting and corn ploughing, or as the Michigander says corn cultivating.

Prepare your ground as for corn and use the grain drill for seeding, about 90 pounds to the acre is about right, first inoculating the seed by the use of "pure culture" which your county agent will assist you to procure.

You can then cultivate a few times with a peg tooth drag or weeder if the ground is fair till the plant is quite big without injury.

The soy bean does not do so well on real heavy clay but will stand quite wet weather and more dry spells than almost any other crop.

Cut for hay when the beans are about the size of buck shot and cure for a couple of days any way in the windrow and for several days in medium sized cocks. Don't rush soy bean hay into the barn; it must have time to properly cure. It is quite a chore to get this hay but it beats the devil out of going to a sale next March and giving your not for ten tons of timothy when you know very well there ain't a bucketfull of milk in a load of it.

If you wish to grow and thresh plug your drill as for pea beans or leave double rows, cultivate, cut with a mower, and thresh. The yield about equals the pea bean.

The Ito San or Black eyebrow are good varieties for Michigan.

The soy bean is one of the heaviest producers of nitrogen there is and has a vast root system which is left to the next crop. I have seen a potato crop nearly doubled by using the soy bean as a green manure crop. —F. D. Walters, Barry County.

Ottawa county is now making plans to hold a poultry show this year. Leading poultrymen from Holland, Zeeland and Grand Haven are working on the proposition but no definite date has been set yet.

According to N. A. Kessler, land clearing specialist in Michigan, the farmers of this state have used 5,766,050 pounds of "war salvage" explosive since 1921 when the government started distributing them.

If you smoke for pleasure



—you have the right idea. Enjoyment in smoking is the thing that counts and you get it full measure in

Camels

"I'd walk a mile for a Camel"

© 1928, R. J. Reynolds Tobacco Company, Winston-Salem, N. C.

READ THIS AD If you are interested in a large type Leghorn—one that has the extra size and correct body type to give you production during our severely cold Michigan winters. We specialize in but one breed—**TOM BARRON Strain S. C. White Leghorns** and furnish Chicks, Pullets and Stock at Live and Let Live Prices. Beautifully illustrated Catalog FREE. **HILLVIEW POULTRY FARM, Zeeland, Michigan. Box 50**

WHEN WRITING TO ADVERTISERS PLEASE MENTION THE MICHIGAN BUSINESS FARMER

Chicks from Record of Performance Male Matings

Selected Chicks at reduced Prices: Can Ship at once. White, Barred, Buff Rocks, Reds, White, Black, Buff Minorcas, 12c. White or Silver Wyandottes, White, Buff, Orpingtons, Black, White Langshans, 14c. Large Brahmas, Jersey Black Giants, 16c. White, Brown, Buff Leghorns, Anconas, Heavy Mixed, 9c. Light Mixed, 7c. **CHICKS FROM RECORD OF PERFORMANCE PEDIGREED MALE MATINGS.** up to 316 egg records. Every female in these matings is mated to an OFFICIAL TRAPNEST PEDIGREED MALE. Barred, White Rocks, Single or Rose Comb Reds, White Wyandottes, Black Minorcas, Buff Orpingtons, 17c. White, Brown Leghorns, Anconas, 14c. 5c per chick with order, Balance C. C. D. If less than 100 ordered add 40c extra. Free catalog of R. O. P. Male Matings, Breeding stock, Pullets, 3 weeks old Chix, 2,000 on hand. June 20th to July 30th. 1c per Chix less.

BECKMAN HATCHERY

Phone 76761

GRAND RAPIDS, MICH.



CLASS A CHICKS AND PULLETS Chicks at 6c up. No money down. 100% live delivery postpaid. Healthy, well developed pullets. We will have from 2 to 3,000 pullets ready to ship in June. All varieties. Low prices. **BOS HATCHERY, Zeeland, Mich., R. 2 B.**



BABY CHICKS WHITE LEGHORNS ONLY SHIPPED C.O.D. ANYWHERE **LOW PREPAID PRICES** Egg contest winners for years. Guaranteed and insured. Also cockerels, pullets, hens. Catalog and special price bulletin free. **GEORGE B. FERRIS, 942 UNION, GRAND RAPIDS, MICH.**

CHICKS! CHICKS!

CAN SHIP AT ONCE AT REDUCED PRICES!

BIG, STURDY, FLUFFY chicks from free range, pure bred flocks that have been culled and selected for egg production and standard qualities. Just what you want for foundation stock or to improve your laying pens. 100% live delivery guaranteed. Send this ad. with order and get 4 FREE chicks with every hundred. 2,000 Chix on hand 1 to 10 weeks old.

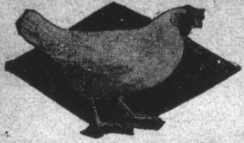
WE GUARANTEE THESE CHICKS TO SATISFY YOU!

Barred, White, Buff Rocks, Single and Rose Comb R. I. Reds, Black Minorcas, 13 1/2 c. White Brown, Buff, Leghorns, Anconas, Heavy Broulles, 11 1/2 c. White and Silver Laced Wyandottes, Buff Orpingtons, White Minorcas, Buff Wyandottes, 15c. Light Brahmas, White Orpingtons, Blue Andalusians, 18 1/2 c. Light mixed, 8c. Grade AA Chicks 5c per Chick extra. If less than 100 are ordered, add 50c extra. After April 18th, \$1.00 per 100 less. Free Circular on

CHICKS FROM R. O. P. MALE MATINGS

LAWRENCE HATCHERY Tel. 72525 GRAND RAPIDS, MICH.

HIGHLAND LEGHORNS



Order your Leghorn Chicks now right from this ad at these low prices. You can get them C. O. D. Highland Leghorns are Production Leghorns having bloodlines of Tancered, Hollywood and Barron Strains. Every breeder carefully selected for size, type and egg production. Mated to males of 200-300 egg pedigree ancestry.

ORDER AT THESE LOW PRICES—C. O. D.

Prices effective May 1st

50	100	300	500	1000
\$5.00	\$9.00	\$26.25	\$42.50	\$80.00

Just send \$1.00 and we will ship your Chicks C. O. D. You can pay the balance when they arrive. Of course we guarantee 100% live delivery. Our new free catalog is ready. Write for it today.

HIGHLAND POULTRY FARM, R. 9, Box S, Holland, Mich.

HUNDERMAN CHICKS

NEW LOW PRICES C. O. D.

Our pure bred chicks from Michigan Accredited stock can now be bought at prices lower than usual. We will ship C. O. D. on receipt of a 10% deposit. All stock has been fed Cod liver oil during the past winter. Order your chicks right now from this ad. Ref. State Commercial Savings Bank.

PRICES EFFECTIVE MAY 21st
S. C. White Leghorns (English Type) and 25 50 100 500 1000
S. C. Brown Leghorns (Heavy Type) \$2.25 \$4.75 \$9.00 \$42.50 \$80.00
Barred Rocks and S. C. R. I. Reds 3.25 6.00 11.00 50.00 95.00
Mixed Chicks \$7.00 per 100; Heavy Mixed \$10.00 per 100

100% live delivery guaranteed. Our free catalog tells all about our special matings at slightly higher prices. It is time to order your Pullets now. Get our latest prices.

HUNDERMAN BROS., R. R. 3, Box 45, ZEELAND, MICH.

BARGAIN PRICES FOR MAY DELIVERY

CHICKS FROM LARGE, HEAVY, CAREFULLY SELECTED BIRDS, GOOD WINTER LAYERS
White and Brown Leghorns: 100, \$3.50; 200, \$6.50; 500, \$10.00; 1000, \$18.00; 2000, \$32.00; 5000, \$50.00; 10000, \$80.00
Barred Rocks: 100, \$3.00; 200, \$5.00; 500, \$8.00; 1000, \$12.00; 2000, \$18.00; 5000, \$28.00; 10000, \$45.00
Mixed Chicks \$7.00 per 100; Heavy Mixed \$10.00 per 100

For delivery before May 1st, chicks are \$2.00 per 100 higher than prices quoted above. Order from this ad. today. Save time and money. 100% live postpaid delivery.

HILLVIEW HATCHERY, C. Boven, Prop., R. 8, Box B, Holland, Mich.

DUNDEE MICHIGAN ACCREDITED CHICKS

STOCK ALL BLOOD-TESTED FOR WHITE DIARRHOEA FOR THE PAST FOUR YEARS.
NEW LOW PRICES FROM MAY 10 TO JUNE 1. 1c PER CHICK LESS FOR JUNE DELIVERY

B. P. Rocks (Pedigreed Matings, 200 to 250)	100	500	1000
B. P. Rocks (Select Grade)	\$13.00	\$60.00	\$120.00
S. C. White Leghorns (Tancered & Hollywood Matings, 230 to 291)	12.00	55.00	110.00
S. C. White Leghorns (Dundee English Matings, 200 to 230)	11.00	50.00	100.00
Order direct from this ad or write for catalog. 100% live delivery guaranteed. Buy blood tested and Michigan Accredited stock this season and be pleased.	10.00	45.00	90.00

DUNDEE HATCHERY & POULTRY FARM, Box B, DUNDEE, MICHIGAN

Babion's Pure Bred Chicks

TRAPNESTED MATINGS add 3c, BLUE RIBBON PENS add 4c each
100% Live Delivery guaranteed, and Postage paid on 25 50 100 500
White, Brown and Buff Leghorns \$2.50 \$4.50 \$ 8.00 \$38.00
Barred, White and Buff Rocks, Minorcas, Anconas, White Wyandottes and Reds 2.75 5.50 10.00 48.00
Silver Wyandottes and Orpingtons 4.25 8.00 15.00 72.00
Mixed all heavy Broulles, No Culls 2.75 5.00 9.00 43.00

Babion's Fruit and Poultry Farms, Lock Box 354-B, Flint, Mich.

KEYSTONE HATCHERY

BETTER BRED—BETTER CHICKS—GREATER PROFITS
Foreman Strain Barred Plymouth Rocks; Tancered and English Strain S. C. White Leghorns; Keystone quality White Wyandottes. We breed for egg production. Write for catalog. Our official winning will prove to you of how nearly these strains reaches the production perfection. Our liberal Guarantee is your protection.
Capitol Keystone Hatchery, R. F. D. 1, Dept. 100, Lansing, Mich.

REDUCED PRICES ON PURE BRED BABY CHICKS

Prepaid Prices for	25	50	100	200	500	1000
Large Type White Leghorns	\$2.75	\$5.00	\$9.50	\$19.00	\$45.00	\$85.00
Black Minorcas, White and Barred Rocks	3.00	5.50	10.50	21.00	50.00	95.00
Single and Rose Comb Reds	3.00	5.50	10.50	21.00	50.00	95.00
White and Sil. Wyandottes, Buff Orpingtons	3.00	5.75	11.00	22.00	52.50	100.00
S. S. Hamburgs, 14c. Assorted Light, 7c., Light and heavy, 8c., Heavy 9c.						

Live Delivery Guaranteed. Order from this ad or send for Catalog and Price List.

THE LANTZ HATCHERY BOX F TIFFIN, OHIO

Cured His Rupture

I was badly ruptured while lifting a trunk several years ago. Doctors said my only hope of cure was an operation. Trusses did me no good. Finally I got hold of something that quickly and completely cured me. Years have passed and the rupture has never returned, although I am doing hard work as a carpenter. There was no operation, no lost time, no trouble. I have nothing to sell, but will give full information about how you may find a complete cure without operation. If you write to me, Eugene M. Pullen, carpenter, 133A Marcellus Avenue, Manassas, N. J. Better cut out this notice and show it to any others who are ruptured—you may save a life or at least stop the misery of rupture and the worry and danger of an operation.—(Adv.)

Reduced Prices for May & June

Genuine Tom Barron English White Leghorn, large type lapover combs, selected stock. Non-setting Barred Rocks, flocks headed by males whose dams have trapnest records, 206-236 M. S. C. laying contest.

	100	500
White Leghorns	\$ 8.00	\$37.50
Barred Rocks	10.00	47.50

Circular free.
HILLSIDE HATCHERY, R. No. 3, Holland, Mich.

LET US SAVE YOU \$5.00

On Every 100 Barred Plymouth Rock Baby Chicks—Save \$3.00 On Each 100 S. C. White Leghorns—Save \$2.00 On Each 100 S. C. White Leghorns. All our chicks are highest quality, Michigan Accredited Blood Tested birds. Here is your opportunity to save—Are you going to?

Per	100	500	1000
B. P. Rocks	\$12.00	\$57.00	\$110.00
S. C. Reds	12.00	57.00	110.00
S. C. White Leghorns	10.00	47.50	90.00

THE CARLETON HATCHERY, Carleton, Mich.

SEEING MICHIGAN WITH MATHEWS

(Continued from page 2)

next plot was at least two times and possibly three times as much hay as No. 1, No. 3 was less than No. 2, and No. 4 was less than No. 3. The exact hay weights were not recorded but survey methods indicate that a farmers' observation is a pretty accurate barometer.

Some Needs of Northern Michigan
On account of its even summer temperatures, I predict that this section of Michigan will become a breeding ground for very high class seeds of the small grains, garden stuff, and potatoes. More than this it has a world of scenery, the best

GETS \$1,113.75 FOR 135 CHICKENS

WHAT is considered to be a world's record price for a quantity of ordinary chickens is reported by the Washtenaw County Tribune. 135 Barred Rock chickens belonging to Tom Featherly, near Hamburg, were sold at auction at \$8.25 per bird or a total of \$1,113.75. The purchase was made by Perry Smith, wealthy Detroit man, who recently bought the farm on which Mr. Featherly lived and wanted the chickens left on the property.

that lies out-of-doors, but not so many outstaters know this. The fine thing about this scenery, shore line, etc., is that it can be sold over and over again, without any loss of the original capital. Not many appreciate it put the tourists who come to Michigan each year drop a paltry 300 million dollars into the coffers of our residents. Additional tourists would mean more money.

The State of Michigan could well appropriate \$150,000 dollars a year to tell the rest of the world what a fine vacation place the State really is. The money would come back a hundred fold.

OVER 1600 FARM BOYS ATTEND JUNIOR FARMERS' WEEK

(Continued from Page 3)

corn borer. An extra three bushels per acre made possible by the good seed of the right variety will pay more for the extra labor of corn borer cleanup than last year's Government compensation.

Since Michigan is a corn purchasing state, her farmers need not only an extra 3 but an extra 10 to 15 bushels, which will put corn growing on a basis of greater profit than ever, despite the extra cost of cleanup which must be carried out if the corn borer is to be controlled.

The trials carried on to date and told of in this article are not final, but they point the way to the most dependable varieties of corn for Michigan. In the light of information gained this far, the accompanying map, with corn variety recommendations for given areas, is submitted as a guide for farmers buying seed corn this spring. Recommendations for central Michigan are based on the variety trials of one, two and three years duration. Much more information will be gleaned from the 40 or more over-state corn variety demonstrations to be gotten under way this spring and to be continued, it is hoped, for a period of at least 3 years.

Cost of planting trees in the Lake States average less than \$5.00 per acre.

With sweet corn, it has been observed that hills planted with large kernels mature quicker than those that grow from small seed of the same variety.

Uncle Ab says that the world needs more folks to whom no one is a stranger.

It seems nice to have a friend like M. B. F. to turn to and I appreciate it very much.—Mrs. F. E. R. Newberry, Mich.

Please renew my subscription for three years. Your paper is good. Let your good work go on and increase your field as your good judgement warrants.—Ben Robbins, Kent County.

CANCER—FREE BOOK SENT ON REQUEST

Tells cause of cancer and what to do for pain, bleeding, odor, etc. Write for it today, mentioning this paper. Address Indianapolis Cancer Hospital, Indianapolis, Ind.—(Adv.)



NO WHITE DIARRHOEA
"We have had no white diarrhoea since feeding Collis Dried Buttermilk to our chicks. We gave the babies 30% buttermilk in dry mash for two weeks, gradually reducing the quantity. Keeps them thriving and growing splendidly."
Burdon Hunter, Tampa, Florida.

COLLIS PROCESS PURE DRIED BUTTERMILK

will make your flock pay you more money—saves the chicks, speeds up growth, makes early layers, shortens molt, fights coccidiosis, helps keep the entire flock healthy, vigorous.

FREE

Read this 40 page poultry manual, beautifully illustrated and full of valuable pointers and hints that help to make poultry pay. Write for it. Send your feed dealer's name.

COLLIS PRODUCTS CO.
Dept. 14 CLINTON, IOWA

Free to Asthma and Hay Fever Sufferers

Free Trial of Method That Anyone Can Use Without Discomfort or Loss of Time

We have a method for the control of Asthma, and we want you to try it at our expense. No matter whether your case is of long standing or recent development, whether it is present as chronic Asthma or Hay Fever you should send for a free trial of our method. No matter in what climate you live, no matter what your age or occupation, if you are troubled with Asthma or Hay Fever, our method should relieve you promptly.

We especially want to send it to those apparently hopeless cases, where all forms of inhalers, douches, opium preparations, fumes, "patent smokes," etc., have failed. That our method is designed to end all difficult breathing, all wheezing, and all those terrible paroxysms.

This free offer is too important to neglect a single day. Write now and begin the method at once. Send no money. Simply mail coupon below. Do it Today.

FREE TRIAL COUPON

FRONTIER ASTHMA CO.
1864E Frontier Bldg., 462 Niagara St., Buffalo, N. Y.

Send free trial of your method to:

"The Farm Paper of Service"

That is our slogan and we are doing everything we can to live up to it. We are at the service of our paid-in-advance subscribers at all times and welcome questions. Answers are sent by first class mail.

The Farmers' Service Bureau,
The Business Farmer, Mt. Clemens, Mich.

A TRACTOR FOR YOUR FARM "SUPER FOUR"

The Huber Super Four Tractor supplies the kind of power your farm requires. Ideal for all belt and draw bar work. Made in three sizes—a size for your needs. Send for your copy of the Huber "Super Four" Catalog.

THE HUBER MFG. CO.
Dept. 5 MARION, OHIO

HUBER



MAIL THIS COUPON TODAY

THE HUBER MFG. CO., Marion, Ohio

Please send me your 1928 CATALOG

Name _____
Address _____
Town _____ State _____

White Diarrhea

Remarkable Experience of Mrs. C. M. Bradshaw in preventing White Diarrhea

The following letter will no doubt be of utmost interest to poultry raisers who have had serious losses from White Diarrhea. We will let Mrs. Bradshaw tell of her experience in her own words:

"Dear Sir: I see reports of so many losing their little chicks with White Diarrhea, so thought I would tell my experience. I used to lose a great many from this cause, tried many remedies and was about discouraged. As a last resort I sent to the Walker Remedy Co., Dept. 530, Waterloo, Iowa, for their Walko White Diarrhea Remedy. I used two 50c packages, raised 300 White Wyandottes and never lost one or had one sick after giving the medicine and my chickens are larger and healthier than ever before. I have found this company thoroughly reliable and always get the remedy by return mail."—Mrs. C. M. Bradshaw, Beaconsfield, Iowa.

Cause of White Diarrhea

White Diarrhea is caused by microscopic organisms which multiply with great rapidity in the intestines of diseased birds and enormous numbers are discharged with the droppings. Readers are warned to beware of White Diarrhea. Don't wait until it kills half your chicks. Take the "stitch in time that saves nine." Remember, there is scarcely a hatch without some infected chicks. Don't let these few infect your entire flock. Prevent it. Give Walko in all your drinking water for the first two weeks and you won't lose one chick where you lost hundreds before. These letters prove it:

Never Lost a Single Chick

Mrs. L. L. Tam, Burnetts Creek, Ind., writes: "I have lost my share of chicks from White Diarrhea. Finally I sent for two packages of Walko. I raised over 500 chicks and I never lost a single chick from White Diarrhea. Walko not only prevents White Diarrhea, but it gives the chicks strength and vigor; they develop quicker and feather earlier."

Never Lost One After First Dose

Mrs. Ethel Rhoades, Shenandoah, Iowa, writes: "My first incubator chicks, when but a few days old, began to die by the dozens with White Diarrhea. I tried different remedies and was about discouraged with the chicken business. Finally, I sent to the Walker Remedy Co., Waterloo, Iowa, for a box of their Walko White Diarrhea Remedy. It's just the only thing for this terrible disease. We raised 700 thrifty, healthy chicks and never lost a single chick after the first dose."

You Run No Risk

We will send Walko White Diarrhea Remedy entirely at our risk—postage prepaid—so you can see for yourself what a wonder-working remedy it is for White Diarrhea in baby chicks. So you can prove—as thousands have proven—that it will stop your losses and double, treble, even quadruple your profits. Send 50c for package of Walko (or \$1.00 for extra large box)—give it in all drinking water and watch results. You'll find you won't lose one chick where you lost dozens before. It's a positive fact. You run no risk. We guarantee to refund your money promptly if you don't find it the greatest little chick saver you ever used. The Pioneer National Bank, the oldest and strongest bank in Waterloo, Ia., stands back of our guarantee.

Walker Remedy Co., Dept. 530, Waterloo, Iowa



CHICKS from Michigan Accredited Flocks

Bargain Prices For May And June Delivery

Chicks from large, heavy, carefully selected birds. Good winter layers.

White and Brown Leghorns: 100-\$8.50; 200-\$16.50; 500-\$30.00. Barred Rocks: 100-\$10.50; 200-\$21.00; 500-\$50.00. Heavy Assorted: 100-\$9.00; 200-\$18.00; 500-\$45.00. Light Assorted: 100-\$7.00; 200-\$13.00.

Order from this ad today. Save time and money. 100% live postpaid delivery. Write for pullet bargains. Write for free catalog.

Knoll's Hatchery & Poultry Farm
R. F. D. No. 12, Box B. F., Holland, Mich.

Crop Reports

Monroe.—Little to report now. Weather generally good but chilly winds seem to come from snowy regions. Spring late. Some spring work done but not much as if weather had been warmer. Some oats sowed. Some plowing done. Even garden work is late. Only earliest seeding done. Quotations from Monroe: Wheat, \$2.09; oats, 66c; rye, \$1.23; potatoes, \$1.00@1.20; eggs, 23c.—Mrs. F. H., Apr. 30.

St. Joseph.—Most oats sown. Backward spring. Hard freezes making wheat look yellow and seems to be going backward; also young clover and grasses. There are also heavy losses of chicks this spring. Some farmers plowing for corn. Late spring causes shortage of hay. Oats that have been sowed early just starting to come up. Much sickness among people and horses.—A. J. Y., Apr. 30.

Midland.—Very few oats in; ground soft. Wheat looking bad, with freezing and thawing. Roads getting so we can get out. Warm rain last night made things look better. Pastures backward and will not be much good before middle of May. Quotations from Midland: Wheat, \$2.00; corn, 81c; oats, 72c; rye, \$1.28; beans, \$9.60; potatoes, \$1.00; butter, 46c; eggs, 24c.—B. V. C., Apr. 29.

Hillsdale (N. W.).—Still having cold weather. Cold north and northwest winds all time. Most oat sowing done. Early sown oats beginning to come up. What wheat came through winter has been badly damaged past month with hard frosts most every night. Pasture hasn't started to speak of and most farmers have disposed of fall hogs as they are short of corn. Most farmers cleaning up corn refuse voluntarily because of corn borer clean-up last year.—C. H., May 1.

Montcalm.—Perhaps spring has come to stay? Some rain last night. Hay scarce. Hogs higher. Seedlings hurt. Farmers busy, plowing and getting oats in. Some gardens being planted. Freezes whenever it takes a notion. Quotations from Stanton: Wheat, \$1.85; corn, 50c; oats, 65c; rye, \$1.20; beans, \$8.50; potatoes, 90c; butter, 45c; eggs, 25c.—Mrs. C. T., Apr. 30.

Saginaw (N. W.).—Been having freezing weather but warming up now. Oats about all in. Hauling manure and ploughing is order of day. Ground sticky on top but hard below. Wheat and rye do not look very good. Rye will not be much. Hay will be short crop. Red clover did not heave very much, but alfalfa and sweet clover heaved bad. Quotations from Hemlock: Wheat, \$2.04; corn, 90c; oats, 72c; rye, \$1.48; beans, \$9.50; potatoes, \$2.00; butter, 46c; eggs, 27c.—F. D., Apr. 30.

Alpena.—Not much work done here yet; little spring wheat sowed. Ground getting in shape fast. Lots of auction sales being held; everything selling high. Horses scarce. Quotations from Spratt: Wheat, \$1.50; rye, 80c; beans, \$8.50; potatoes, 75c; butter, 45c; eggs, 20c.—K. H., Apr. 30.

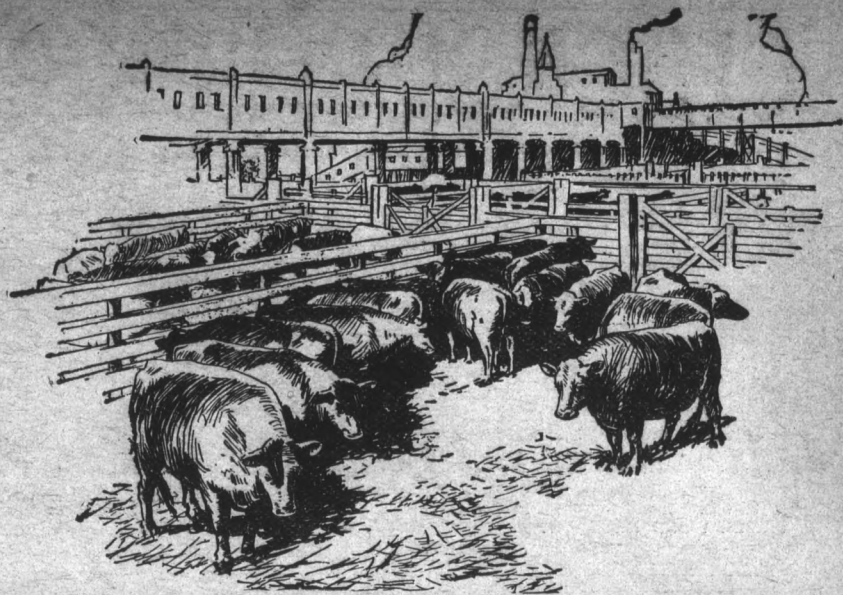
Grand Traverse.—According to reports this county will harvest one of the greatest cherry crops in its history this year. Frost has done some damage but buds were retarded, this spring so it did not amount to much.—Apr. 30.

Kent.—We had a regular snow storm here April 24th. Made ground white in about 15 minutes then old Sol came out and winter went away for a while. Real cold at night. Illinois reports state warm and gardens going in. No gardens planted here; some plowed. No pasture in sight. Raining hard tonight with much lightning. Last week potatoes were going in ground; some fair sized acreages too. Corn going up, \$1.00 a crate. Seed oats 90c bushel. Farm grains scarce. Hay about all gone. Unless warm weather comes soon looks bad for wheat. Every-one plowing. Oats are in; some along Grand River are up. Most hens on job now and some swamped with eggs. Cream about steady here. Some seem to have hard time to feed stock as they are over loaded with poor grades of cattle. Hogs going up a little. \$7.50 each asked for spring pigs. Rain last night certainly improved things. Was warm so wheat and grass look nice and green. Quotations from Lowell: Corn, \$1.00; oats, 80c@85c; potatoes, \$1.00@1.10.—S. K. W., Apr. 30.

E. Huron.—Cold and dry since last issue. Wheat, rye, and clover fading every day, heaved upon legs as if to run away. Land working. General roads settled. Many farmers working with teams for road builders. County and state mileage being extended, both gravel and pavement. Few farmers with hold-over stock and grain are cashing in to advantage. The moral effect on the community is encouraging but hard on newcomer. Quotations from Bad Axe: Hay, \$10.00; eggs, 25c; milk, \$1.80.—E. R., Apr. 30.

Genesee.—Large percentage of farmers have been unable to sow oats yet, ground having been wet and weather cold. Wheat not looking good and indications are will not be a bumper crop. Dairy cattle still bringing good price. Farmers and poultrymen not rushing in young chicks business this year. Quotations from Flint: Wheat, \$2.01; corn, \$1.10; oats, 70c; rye, \$1.15; beans, \$9.60; potatoes, \$2.15; butter, 52c; eggs, 28c.—H. S., Apr. 30.

(Continued on page 31)



A Penny saved is a Penny earned

Taking the loss out of the cost of producing and marketing live stock is sound business. It is economic and a fundamental principle which results in increased net returns to the producer.

Two and a half millions of dollars were paid last year by the railroads of the United States for live stock losses in transit. At least half of this could have been saved by the shippers if correct practices of feeding and handling had been followed.

Much progress in handling live stock has been made through well directed educational work among railroad employees. Producers and shippers are also learning to feed intelligently, load properly, and handle carefully. Cooperation pays in these things.



The New York Central Lines are particularly interested in delivering your live stock to the market in perfect condition.

New York Central Lines

Boston & Albany—Michigan Central—Big Four—Pittsburgh & Lake Erie and the New York Central and Subsidiary Lines

Agricultural Relations Department Offices

New York Central Station, Rochester, N. Y.

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ROYAL EGG BRED CHICKS

75% OF OUR SALES EACH YEAR ARE TO OLD CUSTOMERS

Hanson --- Tancred --- English

Remember, that Royal Leghorns are Contest winning Leghorns—and that you get in our chicks exactly the same bloodlines that have produced these winners. Our demand from old customers was never so great as it has been this year.

SPECIAL PRICES FOR JUNE 1st-7th

	50	100	500	1000
A Mating	\$5.50	\$11.00	\$55.00	\$105.00
B Mating	4.50	9.00	45.00	85.00

For May 22 Shipment add 2c per chick; 500 lots 1c per chick

Order direct from this ad at the above prices. We guarantee 100% live delivery and we know you will be pleased. Circular fully describing sent free. Reference—Zeeland State Commercial & Savings Bank. ROYAL HATCHERY & FARMS, S. P. Wiersma, Prop., R. 2, Box B, ZEELAND, MICH.

Michigan Accredited Chicks—Every breeder approved by authorized inspectors.



Meadow Brook

	Grade A	100	500	Grade B
Barred Rocks, S. C. & R. I. Reds	\$12.00	\$55.00		\$11.00
White & Buff Leghorns	10.00	45.00		9.00
Broiler Chicks	\$8.00 per 100			

We also have White & Buff Leghorn Pullets and hens for sale. Order direct from this ad. We guarantee 100% delivery. Our big free catalog tells all. MEADOW BROOK HATCHERY, Henry DeFree Sons, Proprietors, Box B, Holland, Mich.

S. C. Wh. Leghorns
S. C. Buff Leghorns
(Dr. Hensley Egg Basket Strain)
Barred Rocks
R. C. R. I. Reds
and
S. C. R. I. Reds

VILLAGE VIEW Chicks direct from POULTRY FARM

NOW BOOKING MAY AND JUNE ORDERS—BUY AT THESE LOW PRICES Good quality stock which will make good winter layers. Before you order your chicks get our free catalog that tells all about our Poultry Farm and Hatchery. Customers of previous years tell us that May and June chicks have been wonderful layers.

	100	500	1000
S. C. White Leghorns	\$9.00	\$42.50	\$80.00
White Leghorns Special Matings of Old Hens	10.00	47.50	90.00
Barred Rocks	18.00	62.50	120.00
Mixed Chicks	9.00		

Special Price for White Leghorns 8 and 10 weeks pullets ready for May and June delivery. 1c per chick books your order. 100% live delivery guaranteed.

VILLAGE VIEW POULTRY FARM, Harry Ter Haar, Owner, Box 3, R. 3, ZEELAND, MICHIGAN

SILVER WARD SELECT CHICKS

ROCK BOTTOM PRICES



Never before have you been offered a better value in chicks than you are here. Read these low prices and realize that here is an unusual buy. You get Michigan You get 100% live delivery, postpaid. You get prompt ship- accredited chicks which means every breeder is approved by ment. You get low prices. And of greatest value of all, you get that famous Silver Ward Quality which means so much in poultry profits. Will ship C. O. D. if you desire. We can also offer splendid 8-10 week old pullets at very reasonable prices, of the same high quality.

Low Chick Prices—Delivery May 21st—C. O. D.

EXTRA SELECTED	25	50	100	500	1000
Production Bred S. C. White Leghorns, Anconas	\$3.00	\$5.50	\$10.00	\$45.00	\$90.00
STANDARD HEAVY LAYING					
Big Type White Leghorns, Anconas	2.75	5.00	9.00	42.50	80.00
Selected Bred-to-day Barred Rocks	3.75	7.00	13.00	62.50	120.00
Assorted Broiler Chicks, all breeds	2.15	4.00	7.00	35.00	70.00

You can order right now from this ad and save time. Wire your order and we will ship at once. We refer you to the Zeeland State Bank—a Member of International Baby Chick Association. Start now with some of these famous money-makers. You can never do it cheaper than now. We will send you a large free catalog that tells you the whole story of Silver Ward if you wish. It will be a great help to you.

SILVER WARD HATCHERY

Box 30

ZEELAND, MICHIGAN

LAKEVIEW BABY CHICKS

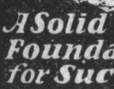
Buy 2 and 3 Week Old Chicks and AVOID LOSSES

You never saw more vigorous chicks. They get the right start under ideal conditions. 24 hour-a-day attention. All chicks Michigan accredited. We can furnish quality day old chicks or older ones of any age in the breeds listed below.

EXTRA SPECIAL

Prices effective immediately.	50	100	500	1000
S. C. White Leghorns	\$5.00	\$9.00	\$41.00	\$79.00
Barred Rocks and S. C. Reds	5.75	11.00	51.00	99.00
Wh. Rocks; Wh. Wyans; Buff Orps.	6.25	12.00	56.00	109.00
Broilers, all heavies, \$9.00-100; \$41.00-500; L. Mixed, \$7.50-100.				

Egg prices are climbing. Broiler market is firm. Now is the time to get those Lakeview chicks at above prices. Order from this ad today. Or get our catalog—We Ship C. O. D.



LAKEVIEW POULTRY FARM, Box 3

Holland, Michigan

M. J. KOLE, Prop.

Member International Baby Chick Association

For Success with Poultry—Lakeview Business Breeds

HOLLAND HATCHERY

WE SHIP C. O. D.

You need not pay for Holland Hatchery Chicks until they arrive. Just send us \$1.00 down and we will ship C. O. D. for the balance.

Holland Hatchery Chicks prove their worth by actual test right in the hands of our customers. Fred S. Donald of Oxford, Michigan, writes: "This makes the 16th consecutive year I have ordered chicks from you and never received a bum lot." You too can have this kind of satisfaction if you will get some of Holland Hatchery Michigan Accredited Chicks.

Prices effective May 1st	100	500	1000
White Leghorns (English Type)	\$10.00	\$47.50	\$90.00
White Leghorns (Special Mated)	12.00	57.50	110.00
S. C. Mottled Anconas	10.00	47.50	90.00
Barred Rocks	14.00	65.00	120.00
Mixed Chicks	7.50		

Of course, we guarantee 100% live delivery and will stand squarely behind every shipment. You will find the chicks pure bred and exactly as represented. Every chick is Michigan Accredited and comes to you under the label of the Michigan State Poultry Improvement Association. Buy Holland Hatchery Michigan Accredited Chicks this year. Our free catalog tells all about them.

Holland Hatchery & Poultry Farms

Van Appledorn Bros.

R. 7-B

Holland, Michigan

PROFIT PRODUCING CHICKS



Special Summer Prices

Egg prices are steadily advancing. Market poultry is fast increasing in price. Right now is your opportunity to make good money raising Brummer-Fredrickson quality chicks at the low prices given below. Choose your breed and write or wire your order. We will ship C. O. D. All chicks are Michigan Accredited. We also have a good selection of 8-10 and 12 week old pullets in the breeds listed below. Write for our low prices.

PRICES EFFECTIVE NOW

	50	100	500	1000
S. C. White Leghorns	\$5.00	\$9.00	\$42.50	\$80.00
Barred Rocks—R. I. Reds	6.00	11.00	52.50	102.50
Broilers, all heavies, \$9.00 per 100; 500 for \$42.50. Mixed Broilers, \$8.00 per 100; 500 for \$37.50.				

Will Ship C. O. D. 100% Live Delivery Guaranteed

Pay your postman when you get your chicks. Just write or wire your order. We have large hatches each week and can fill large orders promptly. Write for free catalog that describes our special matings.

Brummer & Frederickson Poultry Farm, Box 26, Holland, Mich.

Baby Chicks at Wholesale Prices

From 3 proven breeds. Bred 31 years for higher egg production. Direct from the farm to your door. From some of Michigan's best producing flocks. Why look for cheap break neck prices when you can get something better at a trifle higher price. From a Reliable Breeder of pure bred, large-bodied birds with big combs, free from disease, that lay large white eggs when prices are high.

	50	100	200	500	1000
Tom Barron (Hollywood Strain) S. C. Wh. Leghorns	\$5.00	\$9.50	\$18.50	\$42.50	\$85.00
Sheppard Strain S. C. Anconas	5.00	9.50	18.50	42.50	85.00
Rose Comb White Wyandottes	6.75	13.00	25.00	63.00	
Broilers or Mixed Chicks	4.50	8.00	16.00	38.00	74.00

A special discount of 5% on all orders received 30 days or more in advance. 1 cent per chick with order, balance 10 days before chicks are to be shipped or C. O. D. 100% live delivery guaranteed. Postpaid. Write for our 1928 Catalog, it's Free and Instructive.

Reference: Zeeland State Bank.

RELIABLE POULTRY FARM & HATCHERY, R. 1, Box 41, ZEELAND, MICHIGAN



American Chicks

Are Bred-to-Lay and DO Lay

S. C. White and Brown Leghorns, Anconas, Black Minorcas, S. O. Rhode Island Reds and Barred Rocks of High Egg Bred Blood Lines, from fast growing, quick maturing strains. All Michigan Accredited. Orders now being booked for Spring Delivery.

SEND FOR OUR CATALOG. Tells all about our matings, and how to raise poultry for greater profit. We'll gladly send it FREE to Poultry Raisers.

We Guarantee 100% Safe Arrival in GOOD HEALTH

Overnight shipments to all Michigan and Nearby Points

AMERICAN CHICK FARM, Box B, ZEELAND, MICHIGAN

With the Farm Flocks

(We invite you to contribute your experience in raising poultry to this department for the benefit of others. Also questions relative to poultry will be cheerfully answered by experts.)

"NOBODY CARES FOR ME"

An old hen sat in a sycamore tree,
Singing: "There's no one cares for me;
My food is what I find about
By scratching until I'm frazzled out;
My shelter is the starry sky,
And I sit and watch the clouds roll by,
Until my eyes grow weak and dim,
And I take fresh hold on my sycamore limb.

Although I scratch till I make things hum,
My owner says I am on the bum;
He wants an egg every other day,
And he thinks I ought to lay and lay.
I wish he had to roost out here
And scratch hard gravel all the year;
I'll bet a copper cent, by jing,
He wouldn't lay an egg till spring!"

DISEASES COMMON TO BABY CHICKS

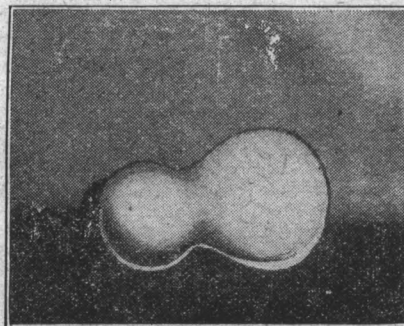
WHITE Diarrhoea is a common occurrence among baby chicks.

It is may be caused by a specific germ or by improper feeding or brooding. The germ disease is known as Bacillary White Diarrhoea.

Symptoms: The symptoms are usually the same whether disease is infectious or not. Chicks become "droopy," have loss of appetite, wings hang down, constantly chirping. The droppings are sticky pasting the chicks up behind.

Post Mortem Findings: Liver enlarged with white and red stripes, lungs congested, grayish spots on liver. Yolk unabsorbed. The ceca contain in some instances yellow cheesy material.

Treatment: For non-infectious type correct the feeding and brooding methods.



EVER SEE AN EGG LIKE THIS ONE?

A subscriber, whose name and address we are unable to locate, sent this egg to us. It was about one and three-quarters inches long, three-quarters of an inch in diameter at the largest point and contained no yolk. The shell was as hard and well formed as on any normal egg. Have you ever heard of one like it? If the person who sent it to us will mail us their name and address we will be pleased to give them credit through our columns.

There is no cure for the infectious type, one must practice prevention. The chicks become infected through the egg from an infected hen. The infected hens can be detected by the blood test and removed from the flocks.

Storrs Agricultural Experiment Station found that the feeding of sour milk to chicks lessened the mortality from this disease.

Leg Weakness

Symptoms: Chicks legs seem weak. They cannot stand. Crooked toes and beak are indications.

Treatment: This is a nutritional disease and is caused by the lack of Vitamine D. Feed birds in confinement 2 per cent of cod liver oil or hard boiled eggs. If chicks are allowed direct sunlight they do not need the cod liver oil or egg yolk as the ultra-violet rays of the sun have the same effect.

Toe Picking

Toe picking is common among baby chicks which are brooded together in great numbers. Anything unusual attracts the attention of the chicks and starts them to picking. As soon as blood is tasted they will keep picking. Chicks are often picked around the vent.

Treatment: Remove injured chicks, keep the chick occupied. It is sometimes stopped by darkening the brooder house.

Coccidiosis

This disease affects birds of all ages, but is a common disease of chicks from four to fifteen weeks of age.

Symptoms: The symptoms are usually not noticeable until the chicks

are about four weeks of age. Chicks are usually affected with the acute type, while mature fowls have the chronic type. Chicks affected with the disease are weak, they look drowsy, the feathers are ruffled and blood is passed with the droppings.

Birds with the chronic type have a pale comb and wattles and have a dejected appearance.

Post Mortem Findings: The ceca (blind guts) in the acute type contain bloody material. In the less acute type the ceca are filled with a firm chess material. The kidneys often have a grayish streaked appearance.

Control: Keep newly purchased birds in a pen by themselves for two weeks until sure they are free from disease.

The disease is caused by a germ which is passed off in the excreta. The disease is thereby spread in this manner.

SOME EGG

THE Saranac Advertiser reports a subscriber brought a hen's egg to its office that measured 9 1/4 x 7 1/2 inches and weighed 5 1/4 ounces. It was a double egg, there being a complete egg, including the shell, inside the outside egg.

Take out all sick birds. Keep droppings out of feed and water. Clean house and yard of droppings. Disinfect with a 5 per cent solution of a good coal tar disinfectant. Plow up the yard.

Treatment. One-third teaspoon of crude catachu to a gallon of water, given until the disease lets up, usually a period of seven to ten days.

The University of California found that buttermilk given the chicks was the best method of control.

USING OLD CANS

WHEN you open a can of tomatoes, corn, peas, or some other food which you purchased at a store do you not often think what a waste it is that you must throw away the tin can which you paid cash for? Yes, you paid for it all right but after you remove the contents what can you do with it? Most folks throw them away, helping build up the junk heap which is ever a source of irritation to us. Here is a way one farm woman made use of some of her tin cans; she made feeders and fountains for her baby chicks.

"I take tomato cans or cans of that size and cut three slits in them about one inch from the bottom and leave about one-half between them," she writes. "Then I bend the tin in

Dry Feeder

Fountain



A dry feeder and a fountain made from tin cans.

as far as possible above the slits. These make good dry mash hoppers as long as the chicks are small.

"For fountains I cut the entire top out of the cans and punch two or three holes about one-fourth from the top. Then I take a lid from a five-gallon lard pail or a can that has that type of cover and after filling the can with water turn it bottom side up in the lid. This makes a very handy and inexpensive fountain. Just try it once."

The biggest factor in controlling diseases and parasites among young chicks is cleanliness. Chicks must be free from disease at the start, and the house and grounds must be clean.

An apple orchard makes an ideal range for growing chickens.

BOVINE T. B. LOSSES ARE CUT
IN HALF

BOVINE tuberculosis now affects only about 2 percent of the animals, instead of 4 percent at the time of the first survey in 1922. Dr. E. A. Wight of the department of agriculture said in an address prepared for delivery recently at the midwestern states tuberculosis conference held in Sioux City, Ia.

One of the most tangible benefits, in Dr. Wight's opinion, is the premium paid to producers of hogs in the sections set apart as modified accredited areas.

Only 43 of the 620 counties in states represented at the meeting more than 5 percent infection, he said, explaining that the record was more cheerful here than in other parts of the country.

Dr. Wight's answer to critics of the eradication campaign was that "any unfavorable result, even though of a small nature, oftentimes attracts more attention than a much greater amount of successful accomplishment."

"This opposition, however, is better organized than in previous years and therefore more effective," he said.

PLANT CORN BEST ADAPTED TO
YOUR PART OF STATE
(Continued from Page 3)

Another interesting and new feature this year, of Junior Farmers' Week, was the speaking contest. The farmer of tomorrow must not only be a trained man in agriculture but in many instances he will be called to stand on his feet and assert the principles of his industry. From the display of oratory given at this speaking contest by these young farmers it would seem that the future farmers of Michigan need not worry concerning this factor. The agricultural students from the various high schools delivered some very interesting and instructive speeches on the subject of agriculture.

Thursday afternoon at 2:30 o'clock a vocational parade, consisting of several hundred cars paraded from the college to the State Capitol and the Reo Motor Company. The neatly decorated cars representing the many different schools, and the ever energetic movement of boys from different communities formed a picture of loyalty and enthusiasm which only the spirit of youth can show.

As all work and no play makes Jack a dull boy on the farm, there was plenty of entertainment of this sort furnished for these vocational students. Friday afternoon they enjoyed the pleasure of witnessing a baseball game between Michigan State College and Armour Technical College. Although these young lads had been at Michigan State College only two days, they seemed to have caught the spirit of loyalty to the college, and were free to lend their voices in cheering for the state players.

An outstanding feature of the contest, and one always enjoyed by all, was the big banquet held Thursday evening at the People's Church. State Supervisor of Agricultural Education, E. E. Gallup, was there as usual with the goods in the capacity of toastmaster; after the youthful, high powered appetites had been satisfied, he proceeded to introduce the high caliber talent which furnished the entertainment and delivered the addresses of the evening. Very instructive talks were given by such men as Honorable Webster H. Pearce, Superintendent of Public Instruction, and Acting President Dean R. S. Shaw. A very enthusiastic and inspirational talk was given by Harry Kipke, the athletic idol of the Michigan youth, and former All American half back.

The entire program of Junior Farmers' Week cannot be treated in full in one short article. However, it could be truthfully characterized, I believe, as the greatest example and demonstration of what the Smith-Hughes Agricultural High Schools are doing in Michigan.

The results are many, varied and important. It means that we are training farmers to carry on a more scientific agriculture; to live better, as well as make a better living; to uplift the industry of agriculture to a high level, and to become more efficient and better citizens of a greater tomorrow.

THE BUSINESS FARMERS' EXCHANGE

A DEPARTMENT OF CLASSIFIED ADVERTISING

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SPECIAL OFFER—FEDERAL LAND BANK offers limited number of farms at bargain prices. Write today for new descriptions of farms in North Dakota, Minnesota, Wisconsin, Michigan. Deal direct with owner, no commissions. These farms are priced to sell—small down payments—\$200 to \$1,000—easy terms on balance. Land prices going up. Buy now at our low prices. Write to Federal Land Bank, St. Paul, Minn., Dept. 32.

SACRIFICE—120 ACRE FARM, 20 ACRES IMPROVED. Good soil and frame buildings, farm implements. On gravel road 6 miles from Grayling. James Cameron, Grayling, Mich.

40 ACRES OF GOOD FARM LAND IN GLADWIN COUNTY for sale at your own terms. V. Fyan, East Jordan, Mich.

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INSURE YOUR SUCCESS—BUY ASELTINE quality Barred Rocks or White Leghorns. Pedigreed males from dams laying over 200 eggs head our flocks. Blood tested five consecutive years. Trapping 400 birds under Record of Performance supervision. Reasonable prices for this quality. Write for circular or visit our farm. Aseltine Poultry Farm, Comstock Park, Mich.

BABY CHICKS FROM KILLBOURN'S CERTIFIED S. C. White Leghorns. 1st pen 1927-1927 New York state egg laying contest for weight of eggs. Over 700 birds entered in this year's R. O. P. work. Also Michigan Accredited Buff and Brown S. C. Leghorns. All stock blood tested. Killbourn Poultry Farm, Flint, Mich.

CHICKS. WE HAVE HAD EIGHTEEN YEARS experience in hatching chicks of standard varieties. We personally inspect and cull our flocks which are good producers, healthy and pure-bred. Write for prices. Special discount on five hundred and one thousand lots. Shepard Poultry Farm & Hatchery, Litchfield, Mich.

ACCREDITED WHITE LEGHORN CHICKS Hollywood Strain. Contest pullets now average 25 ounce eggs per dozen. 1928 contest pen averaged 239 eggs each. Customer's profit \$3.00 per bird. Also Anconas, Rocks. Catalogue. Wyngarden Hatchery, Box 3, Zeeland, Mich.

LOOK! 150,000 CHICKS, 95 UP, 20 VARIETIES. Using many R. O. P. males from 215 to 316 egg breeding. Just what you want for large profits or to improve your flock. FREE catalog gives big discounts. Breeding cockerels, pullets. Lawrence Hatchery, Grand Rapids, Michigan.

BABY CHICKS—MICHIGAN ACCREDITED Barred Rocks, R. I. Reds, White Leghorns, shipped C. O. D. Immediate delivery of pure bred chicks from heavy laying foundations. Big free catalog gives new prices. Brummer-Fredrickson Poultry Farm, Box 30, Holland, Mich.

WHITE LEGHORN CHICKS, 95% GUARANTEED to live 10 days. From 212-287 egg pedigree males. Large stock, 27 oz. eggs, \$1.00 per 100. 3 months pullets, \$1.00. Biehl's Leghorn Farm, Mancelona, Mich.

MYERS PURE BRED CHICKS 100% LIVE delivery. Postage prepaid, four leading breeds, White Leghorns, White Wyandottes, Barred Rocks, R. I. Reds. Poultry bred for egg production, send for circular. Myers Hatchery, Mt. Pleasant, Mich.

WHITTAKER'S REDS, BOTH COMBS, CHICKS and Eggs. Write for our Reduced Prices. Interlakes Farm, Box 2, Lawrence, Mich.

UNUSUAL LOW PRICE FOR OUR QUEEN Quality Egg Bred Chick. Order from this ad. for May. S. C. W. Leghorns, B. Leghorns \$9.00 per 100. Barred Rocks, Rose Combed Reds, \$12.00. Discount on 500 or more. June 1c per chick less. Queen Hatchery, Zeeland, Michigan.

CHICKS—BARRON WHITE LEGHORNS, large size lopped combs, 306-egg strain, \$10. 100. Close Egg Farm, Tiffin, Ohio.

WHITE LEGHORN BABY CHICKS \$6.00, seconds, strong vigorous chicks, no cripples. Robt. Christopher, R. 4, Holland, Mich.

CHICK PRICES REDUCED FOR MAY—WHITE Leghorns, 8c; lots of 500, 7 1/2c. Barred Rocks, 10c. Hillside Hatchery, Holland, Mich.

BETTER BABY CHICKS FROM STATE FAIR winners production class. Eighty per cent of our chicks go to old customers. Eleven breeds. Booking orders. Living prices. Write. Litchfield Hatchery, Litchfield, Mich.

HEYBOER'S POULTRY FARM & HATCHERY, Algonac, Mich. White Leghorns and Barred Rocks baby chicks for sale of stock that is bred for production, all breeders being trap-nested. Send for catalogue and prices.

BUFF LEGHORN CHICKS AND EGGS FOR hatching. Circular. Hillcrest Poultry Farm, Bath Michigan.

BABY CHICKS—ROCKS, REDS AND LEG- horns. Each week, beginning Feb. 13. All stock bloodtested and Mich. Accredited. Pierce Hatchery, Jerome, Mich.

BABY CHICKS, PURE-BRED, NONE BETTER. Barred Rocks, R. I. Reds, and Custom Hatching every Monday. Robbins Hatchery, 704 No. Chipman, Owosso, Mich.

HATCHING EGGS

SELECT S. C. ANCONA HATCHING EGGS from prize winning stock. Special price for May and June, \$2.00 per 15 eggs. Post Paid. Bert Eagon, Oxford St., Alma, Michigan.

TURKEY EGGS—FROM OUR FAMOUS PURE bred Mammoth Bronze, Bourbon Red, Narragansett and White Holland flocks. Write, Walter Bros., Powhatan Point, Ohio.

JERSEY BLACK GIANT EGGS, \$1.30—15; \$2.50—30; \$7—100, collect. Gus Grassman, Minonk, Ill.

BUFF WYANDOTTE EGGS, GOOD LAYING strain. J. G. Lang, Inkster, R. I, Box 5, Mich.

IMPERIAL WHITE PEKIN DUCK EGGS, \$1.50 per 11, postpaid. Chas Stutz, Saranac, Mich.

WHITE PEKIN DUCK EGGS, \$1.50 PER SET- ting, postpaid. Gerald Diamond, Mason, Mich.

TURKEYS AND GESE

DAY OLD TURKEYS—RAISE IN BROODER house or by chicken hen. Easily raised as chickens. Return five times the profit. Mammoth Bronze and White Hollands, \$1.00 each. Special prices on more than fifty poult. Eggs for Hatching. Pine Creek Turkey Roost, Route 4, Holland, Michigan.

SEEDS

SEED CORN. CERTIFIED STANDARD VARI- eties. Northern grown, fire dried, thoroughly tested, guaranteed. Monro Brown Seed Co., Bay City, Wis.

REGISTERED AND CERTIFIED GOLDEN Glow Seed Corn. Germination 96%. Inspected and certified by Michigan Crop Improvement Association. Write for circular. Lawrence Crozier, Charlotte, Mich., R. 9.

REGISTERED AND CERTIFIED SEED CORN Polar Yellow dent and Jewett Yellow flint. Registered grade \$7.00 per bu. 56 lbs. shelled and graded. Certified grade \$6.00 per bu. Butts from Polar yellow dent for ensilage, \$3.50 per bu. Arthur W. Jewett, Jr., Mason, Michigan.

GOLDEN GLOW SEED CORN THAT WILL please you. Grown from registered seed, field selected before cut, raked, artificial and air dried, shelled, graded, germ 98. Price \$5.00 bushel, two or more \$4.75 bushel. Remember we sell what we grow, guaranteed as represented. Ralph G. Collin, Mt. Pleasant, Mich., R. 8.

FOR SALE—REGISTERED AND CERTIFIED Golden Glow Seed Corn. Germination 97%. Inspected by Michigan Crop Improvement Association. Write for circular. P. A. Smith, Mulliken, Mich.

FOR SALE, REGISTERED AND CERTIFIED Picket yellow Dent Seed Corn. Germination 98.5%. Arthur Schafer, Unionville, Mich.

REGISTERED AND CERTIFIED SEED CORN Clements white cap yellow dent, Picket's yellow dent and Michigan yellow dent (a very early dent). Certified Worthy oats and sweet clover. Why take a chance on common seed when our scientific method of drying and preparing our corn insures germination and vigor. Write for circular and sample. Paul C. Clement, Britton, Michigan. Member of the Crop Improvement Association. Dept. H.

SEED CORN—NORTHWESTERN DENT, FLINT, Armstrong, Golden Jewel and Minnesota Thirteen. 95% test. Price, \$2.50. Frank Steohbrin, Wagner, S. D.

SEED CORN, CLEMENTS WHITE CAP, MICH- igan Yellow Dent, \$4.00, satisfaction guaranteed. Write John Mitchell, Holloway, Mich.

SWEET CLOVER SEED WHITE BLOSSOM cleaned, Scarified, Germination and purity guaranteed 95%. \$6 bushel. Monroe Bros. Essexville, Mich.

SCIENCE AND PRACTICE DEMONSTRATE IM- proved American Banner wheat, Wolverine oats, Improved Robust beans best for Michigan. A. B. Cook, Owosso, Mich.

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OHIO YELLOW CLARAGE CORN IS WORLD'S highest yielding variety and best for late planting. Catalog and samples free. Certified Seed \$5.00 per bushel. Dunlap & Son, Williamsport, Ohio.

PLANTS

PLANTS. TWELVE BEST VARIETIES. CAB- bage, Onion, 100, 15c; 500, 70c; 1000, \$1.25. \$1.25; 1000 \$2.25. Smallest order shipped \$1.00. Prompt shipment. Good condition arrival guaranteed. Catalog, wholesale prices, valuable information free. Progress Plant Co., Ashburn, Ga.

PLANTS. 5 ACRES. JUNE, JULY DELIVERY. Cabbage: Copenhagen, Flat Dutch, Ballhead—prepaid, 2000, 65c; 500, \$1.25; 1000, \$2.25. Express: 5000, \$7.50. Cauliflower, prepaid: 100, 70c; 500, \$2.25; 1000, \$4.00. Moss packed. Critically assorted. Guaranteed. W. J. Myers, R. 2, Massillon, Ohio.

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NURSERY STOCK

THE BEST IN CERTIFIED RASPBERRIES, Blackberries, Strawberries, Gooseberries, Grapes, Tomato, Lettuce, 100, 25c; 600, \$1.00; 1000, \$1.75. Pepper, Sweet Potato, 100, 30c; 500, \$1.75. Apples, Asparagus, Rhubarb, Ornamentals. What varieties do you want? How many? Get our prices. Harris Cross Nurseries, Bangor, Mich.

BARGAIN PRICES OF FRUIT TREES, PLANTS, Ornamentals; best variety. Peach trees, \$4.40 per 100, apple trees \$7 per 100. Cherry, Pear, Plum, 15c and up. Catalogue free. Salesmen wanted. Leo H. Graves, Farina, Illinois.

BULBS

12 ASSORTED DAHLIAS 50c. ASSORTED Gladiolas, 25 large, 50c. 25 blooming size, 25c. Tiger Lilies each 15c, postpaid. John Nelson, R. 1, Cadillac, Mich.

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GUERNSEY OR HOLSTEIN HEIFER CALVES, tuberculin tested, shipped C. O. D. Lakewood Farm, Whitewater, Wis.

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GUARANTEED HOMESPUN TOBACCO—CHEW- ing 5 pounds, \$1.25; 10-22. Smoking 10-15.00. Pipe free! Pay postman. United Farmers, Bardwell, Kentucky.

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FOR SALE, 3,200 CAPACITY WISHBONE IN- cubator in A1 condition. Write Pettit Hatchery, Hastings, Mich.

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MAKE BIG PROFITS WITH CHINCHILLA Rabbits. Real money makers. Write for facts. 884 Conrad's Ranch, Denver, Colorado.

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TEACHERS! TRAVEL, SELL, SAVE; SUMMER work you'll enjoy. Capitalize your teaching experience. Write for details of work with definite salary offer. Dept. A, Suite 717 Francis Palma Bldg., Detroit, Mich.

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MISCELLANEOUS

FARMERS WOOL MADE INTO BLANKETS, batting and yarn at fair prices. Send for circulars. Monticello Woollen Mills, (Estab. 1866), Monticello, Wisc.

WOOL WANTED. GOOD PRICE FOR ANY quantity. Write for reliable quotation and particulars. S. H. Livingston, Succ. Keystone Hide Co., Dept. MBF, Lancaster, Pa.

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All Stock Mich. Accredited

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Large Size Production Type, Egg Bred Leghorns. Known Layers and Profit Makers. Producing Large WHITE Eggs—Prolific WINTER Layers.

Don't be misled by Low Prices. Breeding Quality isn't found in inferior stock. Egg Production depends on high quality, egg bred birds with flock production such as our Leghorns have delivered for our customers. Remember—a couple extra eggs in Winter, MORE than pays the difference for the higher quality.

Pure **HOLLYWOOD and HOLLYWOOD MATED LEGHORNS** at Prices that are right.

BARRED ROCKS AND ANCONAS

Two very popular breeds of unusually good breeding quality. Michigan Accredited. A supply of Chicks from these hardy farm raised flocks is bound to please you. But the supply is limited. So order early for May and June delivery.

Remember. We guarantee live delivery and pay the postage. Will ship C. O. D. Write for Catalog.

WYNGARDEN FARMS & HATCHERY, Box B, ZEELAND, MICH




Baby Chick Special

Years of breeding for higher egg production has placed Michigan Poultry Farm Stock on a high Standard of Quality.


Among 500 White Leghorns trapped on our own farm, a large part averaged 24 to 30 eggs monthly during the past winter.

Our Sheppard's Anconas and Holtermans' Strain Barred Rocks are also of very best quality. Order SAFELY and CONFIDENTLY, direct from this Ad. We guarantee 100% Live Delivery.

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Barron and Tanager Foundation	100	200	500
S. C. White Leghorns	\$ 8.00	\$16.00	\$37.50
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Michigan Hatchery & Poultry Farm, Box 1, Holland, Mich.



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ALSO BROWN LEGHORNS, ANCONAS AND BARRED ROCKS

Now at Lowest Prices ever quoted on Town Line Chicks. There is a limit to the price at which good chicks can be produced. We have reduced our prices to that limit. Don't buy until you get our latest summer prices.

All chicks from large type Production Bred Birds. All Michigan Accredited. Every bird in our breeding flocks has been individually banded. All inspected by an authorized inspector.

FREE CATALOG tells how we hatch, breed, cull, inspect and raise our stock. Tells what to feed and how to be successful. Full instruction on the Care of Baby Chicks. A genuine Poultry Guide. Write for it.

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MARKET FLASHES

Most Prices Higher Than One Year Ago

Recent Gains Mostly In Grains, Feeds and Livestock

By Market News Service, Bureau of Agricultural Economics, U. S. D. A.
(Special to THE BUSINESS FARMER)

MOST farm products have made a good showing in the markets this spring. The rising tendency on the great staple crops continued through April. Most lines entered May at higher prices than in March or early April and higher than a year ago. Gains recently were mostly in grains, feeds, cotton and live stock, but there was a steady, sometimes firm, condition in poultry and dairy products. Light holdings and some unfavorable crop conditions seem to be the forces back of most of the recent price gains.

Cattle

Advances in corn prices were a factor in the enlarged marketward movement of cattle about May 1, but demand was equal to the increased offering at slightly higher prices. Demand for heavy beef steers picked up materially and best cattle with weight reacted to a slightly higher basis than comparable grades of light-weights, the Chicago top for the week at \$14.90 being registered on strictly choice 1,357 pound bullocks. The apparent scarcity of heavy cattle will have its effect on the near future market for long fed steers with weight.

Hogs

Last week's hog supply at Chicago showed quality deterioration from the week previous, receipts carrying an increased percentage of light hogs decidedly lacking in finish. Such kinds in week end trading were on a barely steady basis with a week earlier, while the better grades of all weights above 160 pounds showed advances of from 5 to 20 cents, best heavy butchers gaining most.

Sheep and Lambs

New high prices for the current season were scored in the sheep and lamb trade around May 1, and on dressed lamb and mutton. The advance on fat lambs on foot measured mostly 50 to 75 cents at Chicago with clippers showing the full upturn, shearing lambs gained 25 to 50 cents and matured sheep 50 to 75 cents over a week earlier. The week's top on fed shorn lambs was \$17.10. In all the important early lamb producing States, excepting those of the far northwest, weather and feed conditions up to April 1, were less favorable than a year ago. April has not brought the marked or general improvement in this respect that usually accompanies the advancing season and no cloud is to be detected on the lamb market horizon that seems likely to disturb the se-

renity of producers' position until the month of May is well spent.

Wool

Demand for wool on eastern markets during the closing week of April was more active than for the previous fortnight, the interest being largely from manufacturers, rather than from dealers. The movement is chiefly on the fine wools. Inquiry was noted for medium grade but instructions were limited by the lack of available offerings. The volume of trade on fine western grown wools was fair. Prices on fine wools were steady with the previous week, while quotations on medium grades continued to strengthen owing to restricted supplies and persistent inquiry.

Potatoes

Carlot sales of potatoes in Chicago dropped about 10 or 15 cents the last week of April to a range of \$1.65 to \$1.85 on northern Round Whites and \$1.70 to \$1.90 on Idaho arrivals. Shipments of old potatoes held around 3,800 cars for the week, compared with 3,200 a year ago and new stock totaled about 800 cars, or only half of last spring's corresponding movement.

BEANS

Since our last issue the price of CHP beans has made several declines and at this time orders are reported scarce and offerings more liberal at 75 cents under the top figure we quoted. That the market will again turn and head skyward, even going to above the \$10 mark is predicted by some. Too bad most of the bean growers in Michigan did not get some of these good prices. Many are apparently planning on getting some of them next year from the way the intended acreage has increased over 1927, but they will not because chances are rather against high prices next season; there will be too many beans raised, if weather is favorable.

An official estimate by Verne H. Church, federal agricultural statistician, gives the proposed acreage for Michigan as 700,000 or 50,000 acres greater than the March estimate. Last year there were 566,000 acres. Production of the 1928 crop is estimated at around 7,000,000 bushels of white beans, compared with 5,094,000 last year. The country uses about 8,000,000 bushels of white beans a year and this year's production is expected to be between ten and eleven million bushels. Do not increase your acreage this year, is the advice of experts.

THE BUSINESS FARMER'S MARKET SUMMARY

and Comparison with Markets Two Weeks Ago and One Year Ago

	Detroit May 8	Chicago May 8	Detroit April 24	Detroit 1 yr. ago
WHEAT—				
No. 2 Red	\$2.06		\$1.75	\$1.75
No. 2 White	2.06		1.75	1.76
No. 2 Mixed	2.07		1.76	1.75
CORN—				
No. 2 Yellow	1.19	1.12@1.13	1.08	.75
No. 3 Yellow	1.16		1.05	.70
OATS				
No. 2 White	.76	.68@.70 3/4	.66	.47
No. 3 White	.74	.66@.69	.64 1/2	.46
RYE—				
Cash No. 2	1.46		1.24	.91
BEANS—				
C. H. P. Cwt.	9.25@9.35		9.50	4.05@4.15
POTATOES—				
Per Cwt.	2.50	1.85@2.10	2.50	4.73@4.77
HAY—				
No. 1 Tim.	12@13	17@18.50	13@14	23.50@24
No. 2 Tim.	9@10	15@16	10@11	21@22
No. 1 Clover	10@11.50	17@18.50	11@12.50	20@24
Light Mixed	12@13	17@18.50	13@14	22@23

Tuesday, May 8.—Favorable crop reports weaken wheat. Corn and oats easier. Bean market shows signs of going higher. Cattle steady. Hogs higher.

Michigan State College specialists are suggesting that those extra acres be planted to sugar beets instead of beans, which would seem to be a very good suggestion.

DETROIT SEEDS

Cloverseed, cash, imported, old, \$13.75; domestic, cash, \$16.75; October, \$17.75. Alsike, cash, \$15. Timothy, cash, \$2.20; May, \$2.20; December, \$2.70.

DETROIT BUTTER AND EGGS

Butter firm; creamery, in tubs, 88 to 90 score, 42@44c. Eggs firm; fresh firsts, 29@30c.

DETROIT LIVE POULTRY

(Commission merchants' gross returns per pound to farmers, from which prices 5 per cent commission and transportation charges are deductible.)

Market very slow for live poultry; broilers, 2 lbs up, rocks, 48@50c; reds and others, 45@46c; leghorns, 38c. Hens: Colored, 28@29c; leghorns and Anconas, 25c. Cocks, 17c. Stags, 17c. Ducks: White, 4½ lbs and up, 28@30c; colored, 25@26c; small, 24c. Geese, 18c.

LIVESTOCK MARKETS

CHICAGO.—Hogs: Market closed dull and weak to 10 lower; light lights and pigs weak to 25c lower; top, \$10.10 paid early for choice 190 to 220-lb. averages; shippers, 4,000; estimated holdover, 9,000; butchers, medium to choice, 250 to 350 lbs., \$9.20@9.80; 200 to 250 lbs., \$9.25@10.10; 160 to 200 lbs., \$8.40@10.10; 130 to 160 lbs., \$7.50@9.60; packing sows, \$8.10@8.75; pigs, medium to choice, 90 to 130 lbs., \$7@8.50. Cattle: Relatively few steers here; trade steady; fresh light and medium weight Nebraska's, \$12.25@13.50; best steers, \$13.75; she-stock and bulls lower; slaughter classes, steers good and choice, 1,300 to 1,500 lbs., \$12.75@14.50; 1,100 to 1,300 lbs., \$12.75@14.50; 950 to 1,100 lbs., \$12.75@14.50; common and medium, 850 lbs. up, \$9.25@12.75; fed yearlings, good and choice, 750 to 950 lbs., \$12.50@14.25; heifers, good and choice, 850 lbs. down, \$12@14; common and medium, \$8.75@12.50; cows, good and choice, \$8.50@11.75; common and medium, \$7.25@8.50; low cutter and cutter, \$6@7.25; bulls, good and choice (beef), \$9@10.50; cutter to medium, \$7.50@9.15; vealers (milk

fed), good and choice, \$12@15; medium, \$11@12; cull and common, \$7.50@11; stockers and feeder steers, good and choice (all weights), \$11.50@12.75; common and medium, \$8.75@11.75. Sheep: Undertone on fat lambs improved; most grades and weights fairly active; steady; choice handyweight clipped lambs 25c higher; sheep unevenly 50c to \$1 lower; closing 75c to \$1 down under increased supplies; feeding spring lambs steady; medium, \$15@16.75; cull and common, \$14@15.25; medium to choice, 92 to 100 lbs., \$11.65@14.25; ewes, medium to choice, 150 lbs. down, \$13.25@16; cull and common, \$6.25@8.25; feeder lambs, good and choice, \$2@7.25.

EAST BUFFALO.—Dunning & Stevens report: Cattle: Steady. Hogs: Steady; mediums and yorkers, \$10.35@10.50; heavies, \$9.25@9.75; pigs and lights, \$8.50@9.50. Sheep: Market lower; top lambs, \$16.25@16.50; yearlings, \$9@13.50; wethers, \$10.50@11; ewes, \$8.50@10. Calves, 15.



Week of May 13

THE week of May 13th in most parts of Michigan will stack up with deficient temperature, and, in some sections, too much moisture. Grains, pasture and meadows will progress satisfactorily but new planted seed will germinate slowly.

The very beginning of the week will be unsettled and stormy with wind and showery conditions. Temperatures during first part of the week will be falling and it is very probable frosts and freezing weather will be felt in many counties.

Following the middle days of the week which are expected to be mostly fair, temperatures will moderate and the sky cloud over. Precipitation will not be generally heavy except in certain sections.

The week ends with much cooler weather.

Week of May 20

A rather cloudy, wet week is expected beginning the 20th in most parts of Michigan, although there will be some pleasant days. Temperatures for the week as a whole will show some extremes.

Unsettled, wet weather will open the week with a rapid change to much colder and frosts.

The middle days of the week will average mostly fair and much warmer followed during balance of the week with rain and wind storms. Tornadoes are probable locally. Temperatures during last half of week will average quite warm for the season and will continue in this manner over into the beginning of next week.

CROP REPORTS

(Continued from page 27)

Kent.—Cold backward spring, not much farming done so far. Barnyards cleaned out. Some farmers drawing lime and sowing alfalfa. Grimm alfalfa sowed last year looking good. Most oats sowed. Baby chicks and little ducklets running around showing farm women have been busy. No gardens planted. Quite few farmers leaving farms and working on good roads. Quotations from Grand Rapids: Wheat, \$1.92; corn, \$1.05; oats 65c; rye, \$1.03; beans, \$9.40; potatoes, \$1.25; butter, 45c; eggs, 25c.—Mrs. L. H., Apr. 30.

Emmett.—Farming just getting started. Manure piles still frozen. Some oats will be sowed last of week. Grass just greenening up little in places. About usual crops will be put in; perhaps little more certified potatoes and less of uncertified. Stock wintered good. No auctions. Lots of hay in barns yet. Quotations from Petoskey: oats, 80c; beans, \$8.00; potatoes, \$2.00; butter, 40c; eggs, 25c.—R. D., May 1.

Oakland (N. W.).—The first nice warm day for long time; fine for lambs and they are coming in twins and triplets. Eight sets of triplets so far. Outlook for hay around here is pretty gloomy; so badly winter killed. I think some of sowing soy beans for hay; it makes fine hay for sheep. Quotations from Holly: Wheat, \$1.89; oats, 70c; rye, \$1.20; beans, \$9.60; butter, 40c; eggs, 25c.—J. DeC., May 2.

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Rural "Gold Seal" Chicks are making a record of profit performance. Their story of abundant, large sized, pure white eggs, is boldly written in the bank books of our Customers.

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G. W. ALLEN & SONS, Volborg, Montana

LIVE STOCK CONTINUED FROM PAGE 23

SWINE

O. I. C.'S. GOOD GILTS TO FARROW IN April and May, last fall pigs not akin to this spring pigs. OTTO SCHULZE, Nashville, Mich.

LARGE TYPE POLAND WEANLING PIGS \$10 each registered. J. G. TAYLOR, Belding, Michigan.

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